

The



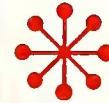
CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

AUGUST 22 1964

PHONE BOX.

A.J.



for

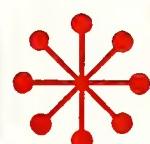
ETHICALS · DRUGS · GALENICALS
SURGICAL SUNDRIES

Twice daily deliveries in South London area

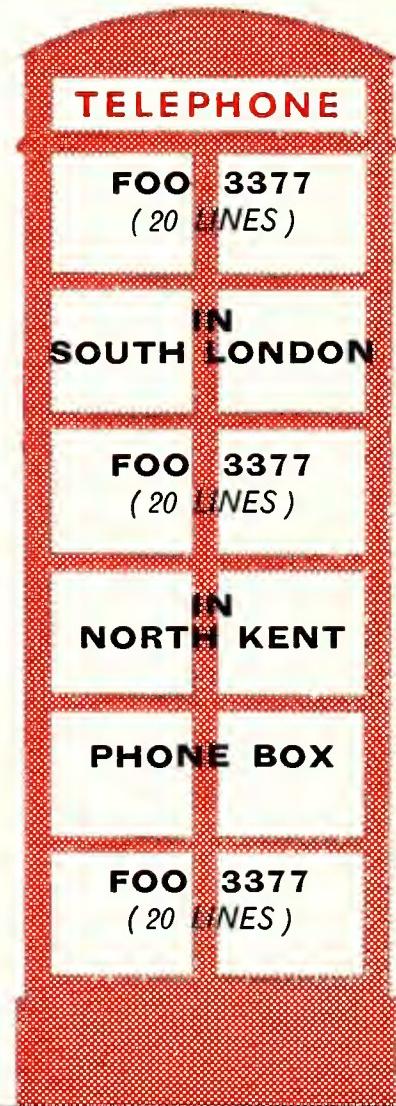
COMPREHENSIVE STOCKS HELD

WHEN OUR OFFICES ARE
CLOSED, AUTOMATIC
RECORDERS TAKE YOUR
ORDER—FOR DELIVERY BY
FIRST VAN

COURTESY, EFFICIENCY
AND ACCURACY ARE
ATTRIBUTES OF OUR
TRAINED STAFF



FOOTSCRAY
3377 and 7700
(20 lines)



A. J. BOX

(WHOLESALE CHEMISTS)

LTD.

POWERSCROFT ROAD · FOOTSCRAY · SIDCUP · KENT



THE ROBERTS WINDSOR CHRISTMAS GIFT PACKS FOR 1964 ARE HERE!

They'll be powerfully advertised in full colour in *Woman*, *Woman's Own*, *Woman's Realm*, *Woman's Mirror*, and *Reader's Digest* during November and December—the whole of the vital pre-Christmas period. Advertising that

will be seen by 13 million women! Certain-to-sell packs. Gift sets that are fun, with a gay, Party Time theme. The Christmas presents that every woman will want... don't disappoint her!

ROBERTS WINDSOR

ROBERTS WINDSOR LTD · LONDON · ENGLAND





NEW

A Self-made Nail!

STRONGER THAN NATURE CAN GROW

Ladies of all ages will clamour for the glamour of Lumanda. A boon to teenagers, housewives, business and professional women, here is a self-built nail, moulded and hardened in minutes, and retaining its elegance for weeks.

**PROFIT
WITH**



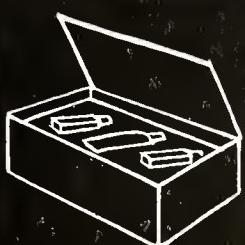
**NAIL
BEAUTY**

STOCK NOW! Attractively packed and nationally advertised, Lumanda is a certain best seller. Good point of sale material and excellent terms available.

RETAIL PRICE 35/-

Write now to LUMANDA COSMETICS LTD., BRIGSTOCK, KETTERING, NORTHANTS

**YOUR OWN
FREE
SAMPLE**



Send to

LUMANDA COSMETICS LTD. BRIGSTOCK, KETTERING
NORTHANTS

Please forward me a sample pack of
LUMANDA

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FIRM _____

ADDRESS _____

WORLD'S TOP HAIRCREAM GETS A "TAILORED TUB"— YOU GET MORE TURNOVER



Brylcreem, the haircream that goes to men's heads more often than any other, has been to Savile Row. And come back with a "tailored tub". You will now sell more Brylcreem than you have ever sold before. Just because it's got a new look? Not entirely. Beechams, ever mindful of profits (yours too), have put a lot of money behind this "tailored tub". And will launch it in the traditional Beecham manner.

BIG. With special introductory offers:

3^D OFF

5^D OFF

8^D OFF

6^D OFF

JUNIOR TUB	* With special merchandising material (ask your Beecham Toiletry Division representative for details).
MEDIUM TUB	
LARGE TUB	* And with a devastating blast of 7-second TV commercials (national, of course) during last week of August, first week of September.
DISPENSER REFILL	

If this little lot doesn't hoist your turnover of Brylcreem, it will be because you haven't ordered enough! Check that you have.

YOUR KEYS TO BIGGER PROFITS

Concentrate on BEECHAM Brands

BEECHAM TOILETRY DIVISION · BEECHAM HOUSE · BRENTFORD · MIDDLESEX





"ZONO"

THERM - O - WOOL

(REGD.)

2/4 and 3/10 cartons

FOR SAMPLES WITH TRADE AND WHOLESALE PRICES, WRITE :—

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Thinking of STRIP PACKING?

THINK M&W

The MATTHEWS & WILSON Strip Packing Service is a modern, complete specialist service by people who understand tablets. M & W will solve your strip packing problems with plain, printed or coloured materials — aluminium foil, polythene or cellophanes — and catch cover packs. Modern plant ensures excellent service on large or small quantities. Enquire for fuller details.



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FOR

Amateur WINEMAKING Home BREWING

BEST TRADE TERMS
GREY OWL LABORATORIES LTD
KINGSWOOD • BRISTOL

VITAMIN B-6 and B-2

Regular supplies from stock
or forward delivery

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Chemists' Transfer Agents and Valuers
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(opposite St. Pancras and King's Cross Stations)

VALUATIONS for all purposes
BUSINESSES urgently required
STOCKTAKING for Income Tax purposes
TRANSFERS without publicity our speciality

● All Valuations and Stocktakings carried out under
personal supervision of principals.

Established 1870

Phone: TERminus 3574

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MONOGRAM to reach 70% of all British homes in largest advertising campaign ever put behind an electric blanket

It's a fact! TWICE as many people sleep under a Monogram as under any other electric blanket. It's the only electric blanket with Sleep-Guard*: a Monogram can't get too hot for safety! It's the entirely new kind of electric blanket that accidents don't happen to.

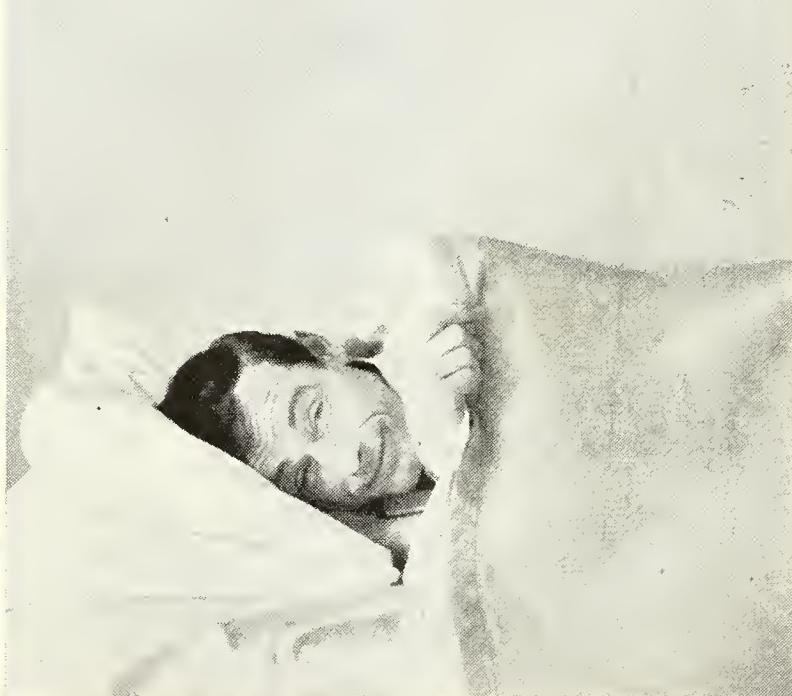


To reinforce this advertising...new merchandise material, new displays, new consumer leaflets. And, as always, one thrilled Monogram owner telling another...the most effective advertising of all.

Double spreads and full pages in colour and black and white will be telling this good news in Woman, Woman's Own, Good Housekeeping, Reader's Digest, Woman's Journal, Homes and Gardens, Sunday Times Magazine—to 70% of all British homes. Right through the entire selling season when 80% of all electric blankets are sold.

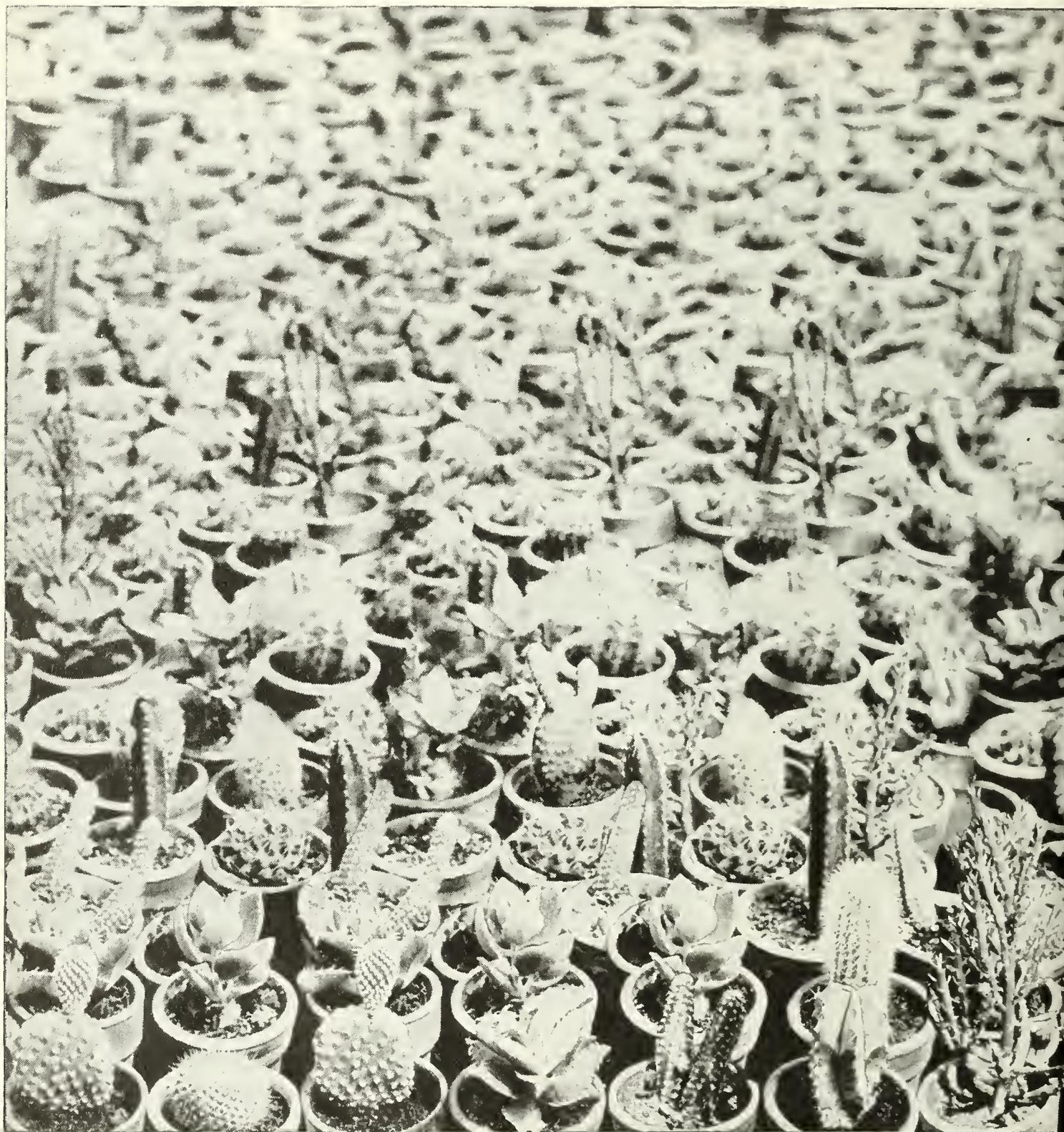


Going to get YOUR share of the high profits that Monogram sales bring in?



* Regd. Trade Mark

MONOGRAM SAFETY-MATIC OVER BLANKET Approved by British Electrical Approval Board



Gibbs Fluoride is giving your customer

A FEW PRIZES Up to 99,999 flowering cacti must be won. Yes, you read it right first time, up to 99,999! It's one of our largest-ever promotions. Or, if it comes to that, *anybody's* largest-ever. First prize—a fabulous £2,000 holiday in Mexico. Second prizes—the small collection of cacti we mentioned to you above.

A LITTLE SUPPORT FOR YOU At least 27,000,000 people will read about this offer in the *Sunday Express*, *Sunday Mirror*, and *ITV* magazines in weeks commencing 21st and 28th September and 5th October. Chances are many of your customers winning prizes are very excited. And our regular brand advertising remains at the same high pitch.



few free cactus prizes this month

FEW NEW CUSTOMERS Because there will be so many prizes, there's going to be a rush. So ask our representative for all the point-of-sale displays you need. You're sales-getters that have proved themselves in and again.

...AND THERE'S EXTRA PROFIT IN IT FOR YOU!



SFT SA-7259-101



*Have you asked for your
full size sample of our new
PAIN RELIEF TABLETS?*

This is a well formulated and reliable analgesic but it does not contain aspirin or phenacetin. It is available in show outers of 1 dozen cartoned vials each containing 24 tablets and can be displayed with your OWN NAME and BRAND MARK supported by an arresting showcard.

Send for your sample and trade prices today

**ARTHUR H. COX & CO. LTD.
BRIGHTON, ENGLAND**

KOMPO

PRICE INCREASE

1st SEPTEMBER

BUY NOW AT THE OLD PRICE

The recommended retail selling price of the 4oz Kompo will be 2/6d as from 1st September. The cost of materials and wages have gone up during the last few years and we regret that we must increase our prices.

BUY NOW AND YOUR PROFIT WILL BE:-

1 dozen Kompo at 17/- plus P. Tax— 8/9d profit
6 dozen Kompo at 15/3d plus P. Tax— 64/- profit

A 6 dozen case of Kompo may be ordered through your wholesaler for direct delivery from us.

KOMPO for COLDS

The family standby for Warmth, Comfort and protection

J. F. White & Co. Ltd., Mfg. Chemists, Benson St., Leeds, 7

Capture those
**AUTUMN
TINTS**
WITH

ADOX
C18 COLOUR FILM

PRICES

ADOX C.18 for True-to-life transparencies - colour perfection, and crisp, sharp definition.
Super-fast speed rating of 18 DIN - 50 ASA - 29 Scheiner.
Prices include 24 hour processing in the U.K.

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and ADOX NC.17 NEGATIVE FILM
For perfect colour prints.
ADOX NC.17 120 Roll Film 10/6
ADOX NC.17 20 exposure 35 mm. 12/7
ADOX NC.17 36 exposure 35 mm. 17/-
Processing extra

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*Keeps dogs away
the pleasant way*



Sales of Pro-Tekt-Her are made so much easier now that this in-season spray is applied just by pressing the Aerosol Container Valve.

Every owner of a bitch is a potential buyer.

Display Pro-Tekt-Her in your windows and on your Counters—you'll sell it.

Packed in dozens. Generous Trade Discounts.

5/11
PER 6 OZ.
AEROSOL
CONTAINER

KALIUM PRODUCTS (REDDITCH) LTD
ADELAIDE STREET, REDDITCH, WORCS
Telephone : Redditch 4433



THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

THE WEEKLY NEWSPAPER FOR PHARMACY
and all sections of the drug, pharmaceutical,
fine chemical, cosmetic, and allied industries

*Official organ of the Pharmaceutical Society of Ireland
and of the Pharmaceutical Society of Northern Ireland*

Volume 182

August 22, 1964

No. 4410

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ANNUAL SUBSCRIPTION

which includes The Chemist and Druggist Diary and Year Book, £3 10s. Single copies 1s. 3d. each (postage 5d.).

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be it in Gt. Britain or Bangkok!

WE have been producing industrial chemicals long enough to know that many of them have a diversity of uses. One industry may use a compound for an entirely different purpose from another. The manufacturer knows his own business best! But the fact remains that Bush chemicals are used in a host of industries in every part of the world. Apart from our established compounds which every good chemist knows we make, Bush research is constantly engaged in developing new compounds... new chemicals—and one industry or another is usually glad of it. Whatever you require, our technical 'know-how' and resources are at your service—wherever you are.

You know Bush
for these

-BUT HOW ABOUT THESE?	
Vanillin	Vanillic Acid
Anisaldehyde	o-Methoxybenzaldehyde
Mandelic Acid	Hexamine Mandelate
Guaiacol	Guaiphenesin
Salicylaldehyde	N,N'-Disalicylidenepropylenediamine
Benzoic Acid	3:4:5-Trimethoxybenzoic Acid
Coumarin	3:4-Dihydrocoumarin



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MEMBER OF THE ALBRIGHT & WILSON GROUP OF COMPANIES, ASH GROVE, HACKNEY, LONDON, E.8 Tel: CLissold 1234

The
CHEMIST AND DRUGGIST



Volume 182

AUGUST 22, 1964

No. 4410

Container Allowance

INCREASE EFFECTIVE FROM JULY 1

AN increase in the container allowance for prescriptions dispensed under the National Health Service has been obtained for chemist contractors by their national representatives. The allowance has been increased from 1·62d. per prescription to 1·8d. per prescription with effect from July 1.

The increase is to cover the increase of 0·06d. per item shown by the Container Costs Inquiry to be necessary and the increase in the cost of glass containers announced early in July. As a result of an agreement between the Central N.H.S. Committee and the Ministry of Health, when the results of the container costs inquiry were collated, the cost of dropper bottles was allowed on all prescriptions ordering ear, eye and nasal drops and the cost of dropper bottles for these drops is reflected in the revised allowance. Chemists will therefore shortly be required to supply all ear, eye and nasal drops in a dropper bottle, or supply a separate dropper where necessary, as part of their Terms of Service. The Central N.H.S. Committee is dealing separately with the question of the dispensing of tablets and capsules in glass bottles or other suitable containers in negotiations with the Ministry.

Rural Pharmacy

COMMITTEE TO DISCUSS SUBSIDY

THE Central National Health Service (Chemist Contractors) Committee is calling an early meeting of the Rural Areas Pharmaceutical Committee. The purpose is to discuss possible machinery for implementing the recommendations put forward at the conference of Pharmaceutical Committee Representatives on July 1 that some form of subsidy should be introduced to counteract the effects upon rural area pharmacists dispensing small numbers of prescriptions, of abolishing the differential oncost. It is hoped that the meeting will be held early in September. A report on the position reached will be circulated after the Central N.H.S. Committee has met on September 22. The following are members of the Rural Areas Pharmaceutical Committee: Messrs. A. O. Barton, West Lavington, Wilts; J. O. Bond, Somerton, Somerset; W. G. Catchpole, Hornchurch, Essex; R. G. Collins, Cockermouth, Cumberland; P. R. Duncan, Irthingborough, Northants; H. W. Jackson, Masham, Yorks; D. J. Lloyd, Llandysul, Cardigans; A. G. Moss, Petworth, Sussex; H. G.

Moss (chairman), Feltham, Middlesex; H. G. Read, Henfield, Sussex; D. E. Sparshott, Nottingham; E. R. Underhill, Callington, Cornwall; G. White, Burnham Market, Norfolk; R. C. Williams, Llanrwst, Denbighs.

Pharmacy Management

NEW INSTITUTE'S PLANS PUBLISHED

THE Institute of Pharmacy Management, which has been incorporated as a limited company (by guarantee) recently (see *C. & D.*, July 25, p. 95) was formed to initiate fundamental and practical research programmes and to promote up-to-date teaching of pharmaceutical administration. The Institute, which is non-profit making, is designed to cater particularly for pharmacists who cannot attend full-time post-graduate courses on new developments in the field of pharmacy management. Applications for Associatehip will be considered from registered pharmacists in English speaking countries; those holding degrees or diploma covering business administration and officers of local pharmaceutical associations are invited to apply for full membership. The annual subscription to the Institute is £2 2s.

(\$6.00) and is payable on January 1 of each calendar year. The Institute's president is Dr. J. M. Rowson, Bradford, and the vice-presidents are Professor H. J. Fuller, Toronto; Dr. Paul C. Olsen, New York, and Professor R. F. Timoney, Dublin. Further details may be obtained from the director and secretary: Mr. H. W. Tomski, 27 Park View, Hatch End, Middlesex.

Experiments on Animals

OFFICIAL RETURNS FOR 1963

CANCER research involved more than 269,000 experiments on living animals in 1963, nearly 11,000 more than in 1962. Those figures are published in the Home Secretary's return of experiments performed in 1963 under the Cruelty to Animals Act, 1876 (H.M. Stationery Office, price eightpence). The total number of experiments carried out on living animals for all purposes was 4,196,566 during the year, an increase of 154,622 over the figure for 1962. 1,173,535 experiments were mandatory tests for the standardisation of sera, vaccines or drugs under the Therapeutic Substances Act, 1956, and the Diseases of Animals Act, 1950. The experiments were performed by 5,932 licensees. 2,857 of the total of 8,789 licensees did not perform any experiments. 1,941 visits were made by inspectors to registered laboratories, who confirmed that animals were satisfactorily accommodated. Inspectors also visited 66 unregistered premises. Seven irregularities were noted during the year but no suffering to animals was reported. Mr. R. S. Vines (chief inspector) reports that in each of the cases it was concluded that there had



HUSBANDS AND CHILDREN ON LADIES' COMMITTEE OUTING: Recently a party from the ladies' committee of the Sheffield and District Branch of the Pharmaceutical Society visited the cheese factory at Hartington, Derbyshire. It proved a fascinating trip, enjoyed also by the ladies' husbands and children, as the picture shows.

been no deliberate intention of infringing the Act. It was considered that a letter of admonition and warning from the Secretary of State was sufficient.

British Standards

NEW AND REVISED SPECIFICATIONS

A NUMBER of new British Standards have been issued by the British Standards Institution, 2 Park Street, London, W.1. They include: B.S.3762:1964 Methods of Sampling and Testing Detergents (price £2 2s.); B.S.3769:1964 Copper napthenate and copper napthenate concentrates (6s.); zinc napthenate and zinc napthenate concentrates (6s.); B.S.3773:1964 Phthalic anhydride (6s.); B.S.3774:1964 Maleic anhydride (6s.). The following standards have been reviewed and confirmed:—B.S.619:1954 Incubator, water bath and oven thermometers for laboratory use; B.S.1365:1951 Short-range short-stem thermometers. Among the new work started by the Institution is the revision of B.S.1938, 1962, 2057, 2563, 3112 and 3236. Hospital trolleys, where it is intended to achieve greater interchangeability between component parts as made by different manufacturers, and generally to bring the standards into line with current thinking, for example, that stainless steel finish only may be adopted. It has been shown that the initial cost of that material was often quickly saved by reduction in maintenance, with improved hygiene. Three draft standards have been circulated for comment, D64/7631 (price 3s. 6d.), deals with hexachloroethane and is a proposed revision of B.S.577. D64/7632 carbon tetrachloride (price 3s. 6d.), revises B.S.575. D64/7663 Containers for pharmaceutical dispensing (price 3s. 6d.). It deals with a specification for eye dropper bottles.

Practice Expenses

PAYMENTS TO DOCTORS AGREED

THE Minister of Health (Mr. Anthony Barber) announced on August 14 that he had agreed with representatives of the medical profession proposals under which National Health Service doctors would receive reimbursement more directly of payments for ancillary help, such as nurses, receptionists and secretaries, etc. The proposals were (1) for salaries up to £500 per annum: For each full-time employee, a payment of £300, subject to a maximum of two-thirds of the salary paid. (2) For doctor paying a full-time salary of more than £500 per annum a further direct payment of two-fifths of the excess over £500 in addition to the basic payment of £300. (3) In both situations *pro-rata* payments for part-time employees. Mr. Barber said "This is a great step forward. It will put hard cash into the pocket of the efficient doctor, and it will encourage others to improve their efficiency. The patient will be the ultimate beneficiary. . . . There is no doubt that this scheme will involve an additional burden on the taxpayer, but I do not begrudge that, because the object is to provide a new and effective financial incentive for the family doctor to employ more ancillary help—nurses, receptionists, secretaries

and so on. This will enable the doctor to concentrate his effort on those special skills which only he possesses. In short, this scheme will encourage efficiency and 'good doctoring.'"

Pamphlets for Patients

ADVERTISER'S "TREAT YOURSELF" HINTS

FIVE instructional pamphlets, intended for distribution to patients by doctors, have been produced by Nicholas Products, Ltd., Slough, Bucks, and are being offered in wallets to general practitioners in Great Britain. The pamphlets deal with influenza, indigestion, travel sickness, period pain and looking after the feverish child, describing in simple terms cause, prevention and home treatment of the ailment and mentioning, in some cases by brand name (Aspro, Rennies, Feminax), products manufactured by the company. The manufacturers decided to make the series generally available when 75 per cent. of fifty doctors approached by the company during the summer accepted the idea. Many welcomed it as a time-saver, but preferred to distribute the pamphlets personally rather than leave them in the waiting room. Some suggested improvements, though few are believed to have objected to the advertising of the company's products. In their final form the pamphlets will advise the patient to revisit the doctor if symptoms persist or worsen, and to keep medicines out of the reach of children.

Health at Work

DOCTORS' RECOMMENDATIONS

A REPORT on "Health at Work" has been published (price 3s.) by the British Medical Association, Tavistock Square, London, W.C.1. Based on collated and edited material obtained by discussion of the subject within the Association's divisions in the United Kingdom, the booklet is held to provide a "useful guide to maintaining the good health of people at work in various crafts and industries." The report stresses the need for careful personnel selection and adequate job training. The introduction of new substances (e.g. toxic chemicals), it says, should be preceded by research into possible health risks to the worker. Other recommendations are that general practitioners should be informed of employee immunisation schemes; that there should be more training in accident prevention in industry, and that the wearing of safety clothing, where necessary, should be legally enforced.

Hospital Building

MORE SCHEMES IN HAND

THE total value of hospital building completed and in progress in England and Wales rose by nearly £64 millions during the twelve months ended March, from £321,903,000 to £385,782,000. Schemes completed since the start of the Health Service in 1948 up to the same date have cost £260,148,000. Expenditure on hospital building in the first three years of the Hospital Plan (1961-62—1963-64) totalled £116,700,000. The expansion of hospital building is

recorded in the sixth of the Ministry of Health's six-monthly progress reports, Hospital Building in England and Wales. Progress Report 6. March 1964 (H.M. Stationery Office, £1). A summary is given of all hospital building work completed or in progress since the start of the Health Service in 1948. The report shows that on March 31, 193 schemes each costing £100,000 were in progress, compared with 175 in September 1963. Twenty-nine schemes each costing over £1 million were in progress, compared with twenty-four in September. Work was in progress to the value of £125,634,000, compared with £118,487,000 in the previous September. In the six months September 1963—March 1964, schemes to the value of over £24 millions were completed: compared with about £16·5 millions in the previous six months.

Pharmacists' Overtime

A LONDON HOSPITAL AGREES TO PAY

THE Ministry of Health has agreed that pharmacists at University College Hospital, London, may be paid at the ordinary rate for any extra time that they work in excess of thirty-nine hours a week. The Ministry point out that pharmacists are not usually paid for overtime. "If, however, exceptional circumstances make it necessary for longer hours to be worked over a period, and time off in lieu cannot be arranged, then the Ministry may agree to the extra hours being paid for at 'plain time' rates." It was also emphasised that any such payments made by the hospital must come out of its current budget.

IRISH NEWS

THE NORTH

N.H.S. Representation

COMMITTEE NOMINATIONS INVITED

NOMINATIONS for membership of the Local Pharmaceutical Committee, half of whose present members are due to retire on September 30, should be lodged with the secretary not later than mid-day on September 1. The retiring members, who are eligible for re-election and do not need to be nominated, are Messrs. T. W. Currie, R. Gibson, J. W. A. Shinner and J. G. Stinson, Belfast; W. Donaldson, Londonderry; H. G. Campbell, co. Antrim; W. P. Ewart, co. Armagh; J. C. Gouk, co. Down; A. Templeton, co. Londonderry; T. G. Rutledge, co. Tyrone.

IRISH BREVITIES

THE REPUBLIC

MR. W. J. Dalton, Banagher, co. Offaly, has been elected *President*, and Mr. S. Fox, Athlone, co. Westmeath, *Vice-president*, of the Irish Drug Association.

THE NORTH

IN Belfast applications for licences to sell methylated spirits are being considered at Belfast petty sessions, which are being held on or about September 30. Earlier dates may apply in other districts. Applications for licences must be lodged at least twenty-one days before the date of the session.

NEWS IN BRIEF

THE Minister of Health has introduced revised EC10HP forms to facilitate the tracking back of the forms to issuing hospitals. The forms are peach-coloured and serially numbered.

PHOTOGRAPHS of flowers and flower decorations, in colour, are being exhibited by Ilford, Ltd., 133 Oxford Street, London, W.1, from September 7 for three weeks. The opening of the exhibition coincides with the publication of the Ilford Colour Book of Flower Decoration by Mrs. J. Groves.

ONE-WAY nappies (used inside an ordinary nappy) are the subject of a report in the August issue of *Which?*, published by Consumers' Association. Mothers who used them generally found that their babies kept drier than usual, says the report. Of the nappies tested, Drianaps are given as "best buy."

THE problems for business managements of maintaining control without impairing the creativity of research and development staffs are being discussed at a conference arranged by the British Institute of Management to be held in London on September 30. Inquiries should be sent to the secretary, 80 Fetter Lane, London, E.C.4.

Courses and Conferences

THE department of pharmacy, Liverpool College of Technology, Byrom Street, Liverpool, 3, is arranging a course of eight evening lectures on clinical aspects of modern drug therapy, commencing September 22. Subjects being covered include the use of drugs in neurology, psychiatry, cardiology and in the management of diabetes. Problems connected with paediatric and geriatric patients will also be dealt with. Fee for the course is 30s. Applications should be addressed to the course organiser, Mr. N. H. Booth.

SPORT**Golf**

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY. Members and their ladies were entertained by B.D.H. (Woolley & Arnfield), Ltd., at Mere golf club on August 12. Mrs. Senior, representing the company, presented the prizes. Results: *Woolley trophy*, J. Roylance (after a tie with R. Evans). *Ladies' putting competition prizes*, Mrs. F. D. Gee and Mrs. Needham.

SOUTH LONDON AND SURREY PHARMACISTS' GOLFING SOCIETY. A meeting was held at Kingswood golf club on August 12. Results: *Calcutta cup*, (Stableford), 1, W. J. Balcock, Croham Hurst, 36 points; 2, R. Swindells, Shirley Park, 33 points; 3, A. V. Hall, Banstead Downs, 33 points. *Phil Thorp putter (Medal)*, F. Jamieson, Woodcote Park, 72 net. *Scratch to Seventeen handicap prize*, A. F. Reary, Croham Hurst, 32 points. *Eighteen and over handicap prize (Ucal Trophy)*, A. Cottam, Shirley Park, 31 points. *Best score on first nine holes*, H. James, Laleham. *Best score on last nine holes*, G. Roberts, Wyke Green, *Visitors' prizes*, 1, D. Hedges, Langley Park, 37 points; 2, R. Raymond, Laleham, 37 points; 3, F. Dawes, Shirley Park; 4, C. Manktelow, Croham Hurst.

LOCAL OFFICERS**PHARMACEUTICAL SOCIETY**

Colchester.—Chairman, E. S. Harris; Vice-chairman, D. J. Crawford; Treasurer, H. S. Morley; Social Secretary, F. R. Staffiere; Secretary, K. H. Free, 5 Enid Way, Colchester, Essex.

TOPICAL REFLECTIONS

By Xrayser

Prevention of misuse

A growing sense of anxiety, both public and professional, arising out of the misuse of certain drugs has led to the passing of yet another Act (p. 140) in the field of medicine. From the end of October it will be an offence to be in possession of any of a named group of substances except in certain clearly defined circumstances. One can readily appreciate the control exercised by confining the "possession" to listed categories which include doctors, dentists, veterinary surgeons and pharmacists who, as the Act states, need to have such substances for purposes of their business or employment. The difficulties arise in the class listed as "members of the public," who may legitimately have a scheduled substance in their possession by virtue of the issue of a prescription by a duly qualified medical or dental practitioner "for its administration by way of treatment to him, or to a person under his care." On the face of it, that seems to be a simple enough provision, until one thinks of the countless "offenders" up and down the country who have been kindly supplied with a few of the tablets or capsules by considerate friends who have found they have done so much good that there is an overwhelming desire to share the benefits with friend or neighbour—for such generous instincts undoubtedly exist and will not be denied. But that, of course, is not the kind of possession the Act seeks to destroy, and any steps to eradicate the more sinister misuse of drugs are to be welcomed. Exceptionally, the new legislation adds nothing to the worry or the work of the pharmacist, for the substances mentioned are already covered by existing restrictions to which he is already accustomed. But the need for a tidying up of the whole subject, as you state in your editorial columns, is paramount. The present position is chaotic, and the regulations form a patchwork quilt of a most extraordinary and diverse pattern.

Keen prices

Gillette Industries, Ltd., announced on August 4 (p. 117) that the company had decided to discontinue resale price maintenance on all its goods. The managing director is reported to have said: "We have decided to anticipate the strict letter of the law. The notice about conditions of resale at present printed on all Gillette packages and in price lists will be removed as soon as possible." Almost before the ink was dry, printed bills appeared on the windows of our largest multiple which read: "Gillette Blades—Boots Prices Down." The chief pharmacy superintendent of that organisation (Mr. D. E. Sparshott) was recently elected to the Pharmaceutical Society's Council. His election address stated that he wholly supported resale price maintenance, and many of those who voted for him must have felt that, in view of his position, the policy proclaimed in that regard was not just an individual one. A statement from Mr. Sparshott explaining the immediate reaction to the Gillette announcement would seem to be indicated. I think that he owes it to his electoral supporters if to no one else.

No surprise to pharmacists

The prevalent disquiet about the staff situation in hospital pharmacy evident from a perusal of the national Press (see p. 137) cannot be unexpected by any of your readers. If the Ministry of Health finds itself faced with a "chain reaction" of difficult situations then it will no doubt be looking for some official excuse, though that may be needed less now that Parliament is in recess. However, the burden will presumably be shifted to those unenlightened members of the Whitley Council who found it necessary to thwart the claims of the hospital pharmacists. If that excuse is rejected then there are always the independent tribunals upon which to shed the responsibility. At present there seems official unawareness of one—if not the really serious—aspect of the hospital pharmacy situation. If the matter is allowed to drift, then a breakdown even of in-patient dispensing may arise. In that event I doubt if excuses will be accepted by the public at large.

EXAMINATION RESULTS

Part III (Scotland) and Two-year Course (England and Wales) Successes

IN the Pharmaceutical Chemist Qualifying examination (Part III) held in Scotland during June, the following candidates satisfied the examiners in the subjects indicated (a=pharmaceutics II; b=pharmaceutics III; c=pharmacology; d=pharmaceutical chemistry III).

ABERDEEN

ALLAN, Ruth E., Dundee
(a, b, c, d)
CASSIF, Jean, Fraserburgh
(a, b, c, d)
DENHOLM, B. R., Aberdeen
(a, b, c, d)
ELRICK, Jean G., Perth (a, b, c, d)
HFNDRY, Rhona R., Forfar
(a, b, c, d)
LAWSON, Wilma, Aberdeen
(a, b, c, d)
LESLIE, S. T., Aberdeen (a, b, d)
MICHEL, C. A., Aberdeen (c, d)
MUNGALL, Janet M., Forfar (a, b)
SIM, J. R., Fraserburgh (a, b)
SWANSON, K. H., Aberdeen (c)
WILSON, N. S., Alford (a, b, c, d)

EDINBURGH

ARMSTRONG, Margaret R., Felling
(d)
BARNES, R. J., Rossendale (a, b)
BENNETT, A., Tillicoultry
(a, b, c, d)
CHRISTIE, D. M., Burntisland
(a, b, c, d)
DENNIS, D. J., Edinburgh
(a, b, c, d)

DEWAR, R. H., Whitburn
(a, b, c, d)
EBINE, T., Westminster (a, b, c, d)
FALCONER, Frances, Whitley Bay
(a, b, d)
GILL, J. R., Saltcoats (a, b)
GILMOUR, Margaret J., Bury
(a, b, c, d)
GOWANS, Margaret R., Melrose
(a, b, c, d)
HFRD, J. C., Bonnyrigg (a, b, c)
HINSHELWOOD, A. J. W., Edinburgh
(a, b, c, d)
KOO MUK SANG, F. C., Notting Hill (b)
LAWRIE, W. A., Prestwick (d)
MCKENZIE, Hazel R., Dundee
(a, b, c, d)
MORRISON, J. G., Dysart
(a, b, c, d)
PASHWA, J., Dundee (a, b, c, d)
PICKARD, Cynthia A., Blackburn
(a, b, c, d)
REID, Patricia S., Huddersfield
(a, b, c, d)
REYNOLDS, J. E. F., Haddington
(a, b, c, d)
ROBB, Catherine B., Bathgate
(a, b, c, d)

ROSS, Hilary E., Penicuik
(a, b, c, d)
SHEDDEN, Marian A., Edinburgh
(a, b, c, d)
STRACHAN, Hazel A., Dundee
(a, b, c, d)

SWANSTON, T. G., Peebles
(a, b, c, d)
WRIGHT, Linda M., Manchester
(a, b, c, d)
YACOMENI, J. A., Crieff
(a, b, c, d)

The following candidates were successful in the Pharmaceutical Chemist Qualifying examination (two-year course) held in England and Wales during June (†certificates being withheld pending evidence of practical training).

BHATT, G. K., Durban
BOYLE, T., Glasgow
CARTWRIGHT, A. C., Bridgend
†CORDINER, Mary M., Hexham
†COUPLAND, Elizabeth A., Cardiff
†DE CONDAPPA, S. T., Leicester
†DOUGLAS, J. S., Cardiff
EDDY, K. M., Penry
EVANS, B. K., Penarth
EVANS, Hilary J., Swansea
†EVANS, Wendy, Hampstead
†FAHAIMA, M. H., Cricklewood
†FLEMING, R., Birmingham
†GARBUTT, P. D., Stratford-on-Avon
GERRED, Mary P., Southsea
GOLD, C. O., Salford
GRENFNADE, Joan V., Exeter
GRIFFITH, W., Glyn Conway
HAYAT, G. A., Johannesburg
HEPWORTH, Ann, Jikley
HOOTON, Patricia A., Wigan

HUGHES, I., Abergavenny
JEFFERY, M. J. R., Ventnor
JONES, D. B., Birmingham
†LANGMAID, Geraldine, Holborn
LISTER, Pamela, Whitehaven
LOFTHOUSE, C. C., Fleetwood
MCKERNAN, G., Liverpool
MCKILLOP, Maureen L., Gourock
MABBS, W., Cardiff
MARTIN, P., Crouch End
†MEADE, Barbara J., Pontypool
MILLER, A. C., Darlington
REES, J. T., Bridgend
†ROBSON, J. L., Edinburgh
ROSHD, B., Neasden
†ROWLEY, G., Cardiff
SMITH, W. McC., Bathgate
TWEEDIE, A. McC., Newcastle-on-Tyne
†WALKER, Beryl E., Kirklington
†WIGHTMAN, Susan L., Cardiff
WILLEY, Barbara G., Harpenden
†WILLIAMS, Ann V., Llanon

LONDON B.PHARM. SUCCESSES

THE following were successful in the 1964 B.Pharm. examination of the University of London. Degrees were awarded on August 1.

Internal Students

(Students attended the School of Pharmacy, University of London, unless otherwise indicated)

First-class honours:—

DAVIS, S. S.
ENEVER, R. P., Chelsea
SANDERS, A. B., Chelsea
TUCKER, G. T., Chelsea
Second-class honours (upper division):—
AYTON, Maureen T.
BAILEY, Diana M., Chelsea
BAILLY, Kathleen, Chelsea
BOREHAM, P. F. L.
BROWN, Patricia P., Chelsea
COLLINS, G. G. S.
FINBERG, J. P. M., Chelsea
FLACK, J. D.
GOLDSTEIN, A. N., Chelsea
HEWICK, D. S., Chelsea
HOWES, J. F., Chelsea
JONES, T. M., Chelsea
LAXTON, Anita M.
MOSS, M. J. R.
OSWALD, R. A.
SPERO, L., Chelsea
STARK, M. S.
TAYLOR, J. F., Chelsea
WFLLS, Jill B.
Second-class honours (lower division):—
ADAMS, G. J.
BAILEY, Barbara J.
BATTEN, J. A., Chelsea
BOND, Marilyn L., Chelsea
BOSTOCK, Penelope C., Chelsea
BOURNE, R. K., Chelsea
BRINDLE, E.
CHILVERS, W. W. D.
COATES, Mary A.
COOKE, M. P.
CRAGGS, Margaret J.
DALY, M. J., Chelsea
DAVIS, H. F., Chelsea
DAVIS, M. I., Chelsea

DAVIS, P.
DEITSCH, I., Chelsea
DFWHURST, Christine V. J.
EPSTAIN, M., Chelsea
ESSON, Norma M., Chelsea
EVANS, Hilary M.
EVANS, Margaret A., Chelsea
GIBBS, M. J.
GOODWIN, I., Chelsea
GROSS, H.
HALL, F. C.
HANDLEY, Sheila L.
HICKS, Sarah M.
HOPKINS, G. A.
HOTTER, Jennifer A., Chelsea
JOHNSON, A. M.
KARAT, M. A., Chelsea
KATTAN, M., Chelsea
LENNARD, M., Chelsea
LEVINE, M., Chelsea
LOWE, Judith K., Chelsea
MALCOLM, S. A., Chelsea
MEABY, F. S.
MOHAMED, F., Chelsea
MOULD, G. P.
NFIELDMAN, S. R.
OBIANWU, H. O.
OXSPRING, Judith M. P.
PATEL, H. M.
PATEL, J. C. M., Chelsea
PHILLIPS, Glensy K.
RFADING, H. C., Chelsea
REFS, Carole G., Chelsea
REYNOLDS, R. B., Chelsea
ROBOTKIN, A., Chelsea
SALTER, D., Chelsea
STOLERMAN, I. P.
STUART, D. F.
TENDELL, Beryl J.
TRIGGS, E. J., Chelsea
WILLIAMS, Valerie, Chelsea
WOODRUFF, B. C., Chelsea

Pass:—

ANDREWS, C. S.
BLIGHT, Anne D.
BOWEN, J.
BRISCOE, Beryl R.
COX, D. I.
CRANE, D. J., Chelsea
FIABEMA, M. T. B.
GIBSON, Gillian M., Chelsea
GRATWICKE, Pamela D., Chelsea
HARRIS, R. S., Chelsea
HOLLIS, R. G., Chelsea
MILLER, T. F., Chelsea
O'BRIEN, Margaret H.
OKUBOYEJO, O. O. A., Chelsea
PERSOFF, Cecilia, Chelsea
RAESIDE, J. G., Chelsea
SAUNBY, Carole E., Chelsea
SHARPE, Anne C., Chelsea
WEEKS, G. R.

External Students

First-class honours:—
NASSER, A. K. G., School of Pharmacy

Second-class honours (upper division):—

ATKINSON, J. E., Sunderland
BOWEN, I. H., Sunderland
BRICKMAN, J. A., Brighton
DODD, Patricia M., Bradford
KANANI, B. A., Leicester
MFRRITT, A. E., Birmingham
PATFL, N. K. D., Sunderland
SILLARS, Susan E., Sunderland
WATSON, Pamela J., Bradford
Second-class honours (lower division):—
AIKEN, M. G., Brighton
ARCHER, Verena E. L., Leicester
BAMFORD, D. G., Leicester
BARSBY, M., Leicester
BARTON, J. P., Sunderland
BROADLEY, K. J., Brighton
BURMAN, M. P., Bradford
BURT, I. S., Bradford
COULSON, Winifred J., Bradford
CRAGGS, Mary J., Sunderland
DIXON, A. K., Sunderland
DIXON, Cynthia A., Brighton

EDWARDS, G. P. R., Brighton
GIBBON, W., Sunderland
HILL, P. R., Brighton
HUGBO, P. G., Sunderland
ISAACS, L. R., Sunderland
JACKSON, Joy C., Bradford
JETHWA, K. R., Sunderland
JHAMANDAS, K. H., Leicester
LAKHANI, M. V., Sunderland
LEVY, G. P., Brighton
LODGE, Rosemary S., Sunderland
McCULLOUGH, K. F., Birmingham
MAINI, R. G., Sunderland
OKPAKO, D. T., Bradford
OLDROYD, R. D., Leicester
PLEMPER, Judith H., Sunderland
RAFFLES, Ann, Sunderland
RIPPON, Carol A., Leicester
RIPPON, Celia A., Leicester
SLATER, J. E., Birmingham
SLOAN, J. C., Sunderland
STEAD, J. A., Bradford
TAYLOR, J., Sunderland
THOMPSON, Ann G., Sunderland
WAITE, R., Birmingham
WATKINSON, B. W., Sunderland
WEBB, A., Sunderland
WEBSTER, Mary G., Leicester
WHITWORTH, R. R., Bradford
WILLIAMS, W. H., Sunderland
WILLIS, Joan E., Sunderland
WINFIELD, A. J., Bradford

Pass:—

ALLAN, M. C., Bradford
BELL, R. W., Sunderland
FURNISS, R., Sunderland
KAYE, P. J., Brighton
LEA, J. C., Bradford
MCARTHY, Maire S., Bradford
MORRIS, P., Bradford
NAYLOR, Elizabeth, Bradford
OLUBI, N. O., Sunderland
PARSONS, J. F., Leicester
PATEL, J. D., Sunderland
PATEL, M. M., Leicester
PATEL, U. A., Bradford
RICHARDSON, J. P., Bradford
ROBSON, Joan, Sunderland
WAINHOUSE, Valerie A., Brighton
WRIGHT, C. A., Sunderland

IN PARLIAMENT

THE following is the text of a letter sent by MR. ANTHONY BARBER (Minister of Health) to MR. MARTIN MADDAN, on August 13. "You asked me to comment on the problems reported recently in the Press, about hospital pharmacists. I am, of course, aware that there are shortages especially in central London, and that the difficulties which have previously occurred during the summer holidays are more serious this year. But, of course, this does not mean that patients are being denied the medicines they need, though in some cases they are having to go to retail chemists to have them dispensed instead of to hospital pharmacies. It has been suggested that recruitment is falling. The most recent figures show that the contrary is the case. Numbers of hospital pharmacists (in whole-time equivalents) have gone up in the last ten years—from 1,237 to 1,478 and, with one exception, there has been a steady increase in recent years. In the same period the number of dispensing assistants (in whole-time equivalents) has risen from 789 to 1,203. It seems to have been overlooked that pharmacists' salaries were settled by the Industrial Court as recently as last February and in reaching their decision they took into account both the salaries of pharmacists in retail pharmacy and elsewhere, and also numbers of hospital pharmacists. I see it is reported in the Press that the Staff Side may be considering a new claim. If a new claim is submitted I am sure that the Whitley Council will take account of the problems of recruitment."

LEGAL REPORTS

Youths Steal "Pep Pills"

THREE Halifax youths admitted in Halifax West Riding court on August 11 that they had broken into the chemist's shop of Frank Heap, Ltd., 72 Southgate, Elland, Yorks, and stolen 1700 pills and tablets, among them 343 Drinamyl tablets. It was stated in court that the boys' parents had been helpful in assisting the police, and all but ten of the tablets had been recovered. One of the accused admitted having used "pep pills." Putting the youths on probation for two years the chairman of the bench said "You are in full vigour of health, and still you want something to put it up. When I was your age I could have jumped over a five-barred gate without taking a pill. We are putting you on your honour to stop this habit." One of the youths said he had become interested in drugs after reading about them in a magazine.

Traffic in Stolen Drugs

IMPRISONMENT for two years was the sentence imposed upon James Strain, 134 Meadowpark Street, Dennistoun, at Glasgow Sheriff court on August 14, for receiving 22,600 tablets stolen from a Glasgow warehouse. The sheriff told him that messengers were an essential part of the illegal drug market and added: "This is a traffic which must be most strenuously suppressed." During

evidence it was stated that the police searched Strain's house and found 250 barbiturate tablets; Strain then showed them where the other drugs were. The fiscal said the value of the drugs was not great, "but in the 'purple heart' market for which they may well have been destined, the value is considerable." Strain admitted the charge and also admitted being in illegal possession of a knife. He was sentenced to sixty days' imprisonment on that charge, the sentences to run concurrently.

Not Under Qualified Supervision

WHEN two inspectors of the Pharmaceutical Society called at a pharmacy at 143 Southampton Row, London, W.C.1, they found that the owner, Mr. Moses Silber, M.P.S., was away and that there was no qualified person on the premises. That was stated by prosecuting solicitor Mr. A. C. Castle at Clerkenwell magistrate's court on August 18, when Mr. Silber pleaded guilty to the unlawful sale of strichnine contained in Metatone, the sale not being effected by or under the supervision of a registered pharmacist. Mr. Castle said that when Mr. Silber was seen by an inspector on June 15 he said he had been away for family reasons and had been unable to get a locum chemist to take his place. He had, however, given instructions to his staff not to sell poisons. The Society's attitude, said Mr. Castle, was that if a chemist had to go away, he must either get a locum or close the shop. "The Society do take a rather serious view of one of its own members within almost a stone's throw of its headquarters, leaving his business like that," he added. Mr. Castle said the point of the prosecution was not of course that it was suggested that the preparation in question contained a vast quantity of dangerous poison, but to ensure that there was a qualified chemist in attendance when it was sold. He added that nothing was known against Mr. Silber, who had owned the shop since 1960. Defending counsel said Mr. Silber had tried as hard as he could to get a qualified locum, but was unable to do so. He did, however, have a registered pharmacist coming in every evening to dispense prescriptions. His main sales at the shop were of cosmetics and photographic equipment. Of the preparation in question, he sold only about one bottle every 10 days. Imposing a fine of £10, with £10 10s. costs, the magistrate said he appreciated that this was a somewhat technical offence, but the necessity for bringing such prosecutions was to enforce an obviously important rule.

COMPANY NEWS

Previous year's figures in parentheses

IDRIS, LTD.—The directors have declared an interim dividend of 7½ per cent. in respect of the year ending October 31.

STEPAN CHEMICAL CO., Chicago, U.S.A. — The company has acquired Aromatic Products, Inc., New York City, manufacturers of perfume compounds and aromatic chemicals.

HAFFENDEN - RICHBOROUGH, LTD.—The board has effectively raised

the interim dividend from the equivalent of 5·6 per cent. to 10 per cent. on the capital increased by a one-for-three scrip issue.

ARNOLD M. GEE, LTD.—Following the deaths of Messrs. W. J. Freer and J. Moffatt, the board has been reconstituted as follows: A. M. Gee, M.P.S., F.S.M.C. (chairman and managing director). W. A. Wharton, M.P.S., R. B. Hunter, L. Maud, M.P.S., and R. W. Stangroom, M.P.S.

DUNBEE-COMBEX, LTD.—Group profit, before tax, for year ended March 31 was £203,067 (£151,978). Dividend proposed is 35 per cent. (26 per cent.). The result includes an effective twelve months' figures of Jean Sorelle group and five months of Burbank Plastics.

OLIN MATHIESON CHEMICAL CORPORATION. — The New York company has established Squibb Hellas LLC, with offices in Athens, to handle the import and warehousing of Squibb pharmaceuticals in Greece. The new company will provide added warehouse facilities for antibiotics and other medical products.

RIKER LABORATORIES. — The group has acquired Laboratoires Médial, Lyons, who market prescription pharmaceuticals in France. The newly acquired company, of which Monsieur Jean René Costa has been appointed directeur général, becomes a manufacturing and marketing unit for Riker products in France and will continue to produce existing Médial products.

TWO French companies, Rhône Poulenç and Roussel-Uclaf have jointly established a new company in Casablanca to manufacture chemical and pharmaceutical products. The new company—Soc. Marocaine d'Industrie Pharmaceutique "SMARIP"—will have a capital of 1·5 million Moroccan dirhams (£106,000). Moroccan private interests hold 26 per cent. of the capital and Rhône-Poulenç and Roussel-Uclaf hold 37 per cent. each.

VITAMINS, LTD.—The group pre-tax profit at £318,527 for the year ended March 28 was £115,133 down on the previous year. After tax of £143,734 (£251,250), the net balance is £174,793 (£182,410). It is stated that the 1962-63 tax position was particularly unfavourable. A detailed explanation of this year's more favourable position will be given in the chairman's annual review. An unchanged Ordinary dividend of 12½ per cent. is proposed.

UNILEVER, LTD., and UNILEVER, N.V.—Combined sales to third parties of the two groups were valued at £418 millions in the second quarter of 1964 (against £382 millions in the corresponding period of 1963), but profits, before tax, were down slightly from £34 millions to £33·2 millions. Sales of N.V. at £221 millions were up by £20 millions; pre-tax profits were £18·5 millions (£17·8 millions). Limited's sales totalled £197 millions (£181 millions) with profits, before tax, at £14·7 millions (£16·2 millions). After lower tax, exceptional items and minority interests, the combined net profit was £1 million higher at £17·2 millions for the second quarter. The directors state

that sales in all the main product groups have continued to advance in the second quarter of 1964 compared with the corresponding quarter of 1963.

JOHN BELL, HILLS & LUCAS, LTD. — The company has been acquired by Nestle LeMur Co., New York, who already operate in Great Britain Fassett & Johnson, Ltd., and the companies marketing the Nestle, Pinaud and Lanol hair and toilet preparations as well as Smith, Miller & Patch Pharmaceuticals. John Bell, Hills and Lucas, Ltd., will continue to trade under their own name, and will manufacture products for the group. The executives and senior management of the company will continue to serve in their present capacities.

PHOTO LABORATORIES (LONDON), LTD. — The board has been reconstituted following the resignation of Messrs. A. E. Huddleston, L. H. Mowbray and J. W. Sills to enter the retail trade, and Mr. W. T. Trimmer, who has retired. They will receive over £15,000 between them as compensation for loss of office. The board now consists of five directors—Messrs. A. C. Grant, S. T. Jones, D. P. Jones, B. R. Sills and S. G. Wild. The company was formed in February 1963 by the amalgamation of six London photo-finishing companies.

JEYES GROUP, LTD. — Group net sales for the 28 weeks ended July 11 amounted to £3,876,000 (£2,218,000, which did not include the sales of Three Hands, Ltd., and Serta, Ltd.). The unaudited profits before taxation for the period after £32,000 had been made in respect of integration expenses, amounted to £179,000 (£163,000). An interim dividend of fourpence (same) per share is to be paid on the increased capital of £1,047,316 (£849,250). The chairman points out that since the last report transfer of Three Hands production and administration from the St. Albans factory to Barking and Plaistow had been effected.

AMERICAN CYANAMID CO. and MAX FACTOR & CO. — The plans for a merger of the two companies (see *C. & D.*, July 18, p. 54), have been called off. The two companies had reached a tentative agreement for American Cyanamid to acquire Max Factor through an exchange of stock and terms of the exchange had been worked out. The acquisition was, however, subject to agreement on other details and to approval by the boards and the stockholders of both companies. Mr. Factor, in a statement following the cancellation, said that his board "considered that the long range growth and development of the company would be accelerated by vigorously pursuing its opportunities as an independent concern."

THE BRITISH DRUG HOUSES, LTD. — Shareholders are to be asked on September 4 to approve a resolution that the name of the company be changed to B.D.H. Group, Ltd., the change to be effective on December 31. The chairman (Sir Geoffrey Eley) in a letter to members points out that over the past years their expansion programme had resulted in the company controlling seventeen subsidiary com-

panies and that there would be administrative advantages in the company continuing as a group holding company holding shares in its operating subsidiaries but not carrying on any manufacturing and trading activities itself. Subject to approval the company would, on January 1, 1965, transfer the assets and liabilities of its London wholesale business to a newly incorporated subsidiary. B.D.H. (London Wholesale), Ltd., in exchange for all the shares of that company and its remaining manufacturing and trading business and assets and liabilities to B.D.H. (Nutritionals), Ltd., which would change its name to The British Drug Houses, Ltd. It is proposed that the board of B.D.H. Group, Ltd., should be: Sir Geoffrey Eley (chairman); Mr. D. L. M. Robertson (deputy chairman); Mr. F. W. Griffin (managing director); Mr. H. G. Rolfe (deputy managing director); Sir Hugh Dawson, and Messrs. D. Mead Johnson, R. H. Kinderman, and H. O. McCutchan. Messrs. L. T. le G. Burley, C. L. Parker, H. Treves Brown, and Dr. V. Petrow, who are at present full-time executive directors of the company, and Mr. R. C. McCrow (a representative of Mead Johnson & Co.) are in full agreement with the proposals and, in order to enable them to be effected, have indicated their intention of resigning from the board of the holding company. With the exception of Mr. McCrow, they will be directors of the (new) British Drug Houses, Ltd. The chairman also mentions that an offer is to be made for the 5 per cent. and 10 per cent. preference shares held by the public in Ferris and Co. (a subsidiary of J. R. Gibbs, Ltd.) which was taken over by The British Drug Houses, Ltd., in 1959. The offer is one fully paid 5½ per cent. £1 B.D.H. cumulative preference share for every 5 per cent. £1 Ferris preference share and two shares of £1 for every 10 per cent. £1 Ferris second preference share.

BUSINESS CHANGES

MR. T. WOOD, M.P.S., has transferred his Royal Mile Pharmacy (formerly at 38 High Street, Edinburgh) to No. 67.

PARFUMS DE LUCIEN LELONG, LTD., have transferred to St. John's Gate Building, 86 Clerkenwell Road, London, E.C.1 (telephone: Clerkenwell 2336).

MR. F. WARREN, M.P.S., has transferred his pharmacy from Greenhithe, Kent, to Main Road, Old St. Paul's Cray, Kent, where he will trade as St. Paul's Pharmacy (F. Warren & Co.).

Appointments

BEECHAM GROUP, LTD., Great West Road, Brentford, Middlesex, have appointed Mr. N. F. Poole general sales manager of the group's food and drink division.

LEDERLE LABORATORIES, Division of Cyanamid of Great Britain, Ltd., Bush House, London, W.C.2, announce the following promotions: Mr. N. E. Burfitt, appointed sales promotion manager; Mr. E. J. Barrington Groves takes over from Mr. Burfitt as manager, sales training.

HOPKIN & WILLIAMS, LTD., 14 St. Cross Street, London, E.C.1, have appointed Mr. J. T. Yardley, B.Sc., F.R.I.C., their deputy chief chemist and head of their research and development laboratories. Dr. E. J. Newman, F.R.I.C., becomes head of their analytical laboratories.

PERSONALITIES

MR. L. B. CRACKNELL, sales manager of the domestic products group, Dunlop Rubber Co., Ltd., general rubber goods division, Manchester, has been elected Vice-chairman of the management committee of the British Rubber and Allied Manufacturers Association. Mr. Cracknell is chairman for 1964-65 of the Hot Water Bottle Association.

MR. W. R. C. LONGFIELD (assistant to the toiletries and lay pharmaceuticals sales manager, William R. Warner & Co., Ltd.), left London on August 17 to take up a temporary appointment as acting divisional manager of the company's operations in West Africa. Mr. Longfield remains in Nigeria for two months while Mr. R. W. Holmes (divisional manager) is on leave in England.

DEATHS

BROWN.—Suddenly, on August 13, Mr. David Rainy Brown, Claggersnich, Cromdale, Moray, aged fifty-eight. Mr. Brown was formerly chairman of J. F. MacFarlan & Co., Ltd., Edinburgh, with which company his family was associated for many years. After the merger with T. & H. Smith, Ltd., three years ago, when the company took the title of MacFarlan, Smith, Ltd., he continued as the vice-chairman, retiring at the end of 1963, to farm in the north of Scotland.

Mr. F. J. Bolton writes:—I have been associated with David Rainy Brown for twenty-seven years and the outstanding impression I have of him is of his great sincerity, directness and integrity of character. He was a true gentleman in every sense of the term, very cultured and a great upholder of the highest traditions in business and family affairs. He had a deep knowledge of the world-wide trade in opium and narcotic drugs and took a great interest in the history and tradition of the drug and fine chemical industry in general, and of his own family firm in particular. He was exceptionally generous and considerate towards his colleagues of all ages and ranks, many of whom had spent a lifetime of service in the family firm and all held him in the highest esteem. Outside business his greatest pleasure lay in farming and in the breeding of bull terriers of which he was an acknowledged expert and had won many awards. It was tragic that he should have had such a short time to enjoy his retirement to his Morayshire farm. Fittingly he has been laid to rest in the peaceful churchyard of Cromdale close to the river Spey and in the midst of the Highland countryside he loved so well.

CHEETHAM.—On July 23, Mr. Samuel Hartley Cheetham, M.P.S., 274 Spotland Road, Rochdale, Lancs. Mr. Cheetham qualified in 1917.

MITCHELL.—On July 7, Mr. John Stuart Mitchell, 629 Woodborough Road, Nottingham. Mr. Mitchell qualified as a chemist and druggist in 1921 and retired in 1961.

MULVILLE.—On August 4, Mr. Edward Aloysius Mulville, M.P.S., 144 Segars Lane, Ainsdale, Southport, Lancs. Mr. Mulville qualified in 1921.

PICKERING.—On August 13, Mr. Christopher Pickering, F.P.S., Nicholas Service Co., Ltd., 225 Bath Road, Slough. Mr. Pickering qualified in 1939.

RICHMAN.—On July 9, Mr. Herbert Richman, M.P.S., 3 Draycott Avenue, Kenton, Middlesex. Mr. Richman qualified in 1912.

SCHEFER.—Suddenly, on August 13, Mr. Jack Ulrich Schefer, F.B.O.A., F.S.M.C., 18 Huntingdon House, Cromwell Road, London, S.W.5, aged fifty-four. Since 1960 Mr. Schefer had been intelligence officer to the Association of the British Pharmaceutical Industry. He had also served as secretary to the Association's Publicity Committee. He started his career as an ophthalmic optician, and practised as such from 1929 until 1940. He then volunteered for military service in the Royal Signals until 1946, when he joined the Foreign Office Government Communications Headquarters.

THOMSON.—Suddenly, on August 12, Mr. Walter Scott Thomson, 3 Burnside Cottages, Linlithgow, West Lothian. Mr. Thomson had represented Pinkerton, Gibson & Co., Ltd., Edinburgh, since 1937.

INQUEST

Codeine Overdose While on Leave

DURING an inquest in Huddersfield on August 10 on Margaret Pitcairn Lund, Exley Lane, Elland, who died from cardio-respiratory failure following an overdose of codeine, it was stated that the girl, who was admitted to hospital after taking an overdose of codeine tablets, was able to go to a nearby village to buy more tablets. The girl's father said that she had been mentally depressed. About a week previously, while on leave from Storthes Hall hospital, nr. Huddersfield, she had taken an overdose of sleeping tablets and had been readmitted to the hospital. A nursing sister at Storthes Hall said that Miss Lund had told her she had taken twenty codeine tablets on two successive days. A psychiatrist at the hospital, who was asked why Miss Lund had been allowed to go into Kirkburton and purchase codeine tablets, replied that many patients were under no restrictions. It was impossible to keep watch on a patient twenty-four hours a day unless he or she was under lock and key. "This is a dilemma which is constantly facing us." The Coroner recorded a verdict that Miss Lund took her life while the balance of her mind was disturbed.

MANUFACTURERS' ACTIVITIES

New Pension Scheme.—A pension based on average earnings during the last five years before retirement; a half-pension for the widow of a pen-

sioner; transferability of pension rights into any other company's scheme that is able and willing to take them, are three of the features of a new pension scheme for 2,500 employees of The Wellcome Foundation, Ltd.

Fertiliser Works for Finland.—The L. A. Mitchell group of companies, in co-operation with Fisons Fertilisers, Ltd., announce that they have obtained orders valued at £130,000 for chemical plants from Rikihappo, Oy, Finland. The plants comprise a phosphoric acid concentration unit using forced circulation evaporation, and a fluorine recovery plant to produce a range of fluosilicates. The throughput of phosphoric acid is 30,000 tons a year. The process is based on the "know-how" of Fisons Fertilisers, Ltd. Much of the equipment will be manufactured in the

L. A. Mitchell group's Croydon and Carlisle works.

Altogether Twenty-six.—When Nicholas Products, Ltd., launched their new perfume, "Together," they commissioned a special song entitled "Let's Get Together Tonight" from composer Gordon Rees and lyric-writer Ian Grant. It was played at a reception for Press and buyers, and each guest was given a gramophone record of the song. To mark the first anniversary of the launching of the perfume, the manufacturers decided to send a "Together" set (perfume, talc and Cologne in cofret) to the wives of all composers of songs that carry the word "together" in their titles. The Performing Right Society, which was asked to supply the necessary information found no fewer than twenty-six such song titles.

OVERSEAS NEWS

BRAZIL

Drugs Decree Revoked

PRESIDENT Castelo Branco has recently signed a decree revoking Decree No. 53.584 dated February 21, 1964, dealing with the price control of drugs. The second paragraph of the decree assigns to the Ministry of Trade and Industry and its allied organisations the task of studying the industry and commerce of pharmaceutical products and of suggesting urgent measures concerning the problems of uniformity of prices and price control.

CANADA

New Pharmacy Building Started

GROUNDBREAKING ceremonies on the site of the Canadian Institute of Pharmacy Building were performed in Toronto on August 1. Facing the main entrance to the University of Toronto campus, the building will house the Canadian Pharmaceutical Association and other pharmacy organisations. In one wall of the lobby will be set samples of rock native to each province and the lobby will also contain a display of items of pharmaceutical interest. The basement area will contain a library and museum.

SOUTH AFRICA

Wellcome Trust Aid Research

A GRANT of £6,000 from the Wellcome Trust is providing Dr. D. McKenzie, pathologist at the Red Cross War Memorial Children's Hospital, a teaching hospital of the University of Cape Town, with the assistance needed to expand and complete a study of anaemia in children and its relation to specific deficiencies caused by malnutrition. The grant, spread over three years, will provide for a full-time technician to assist Dr. McKenzie and a part-time haematologist to help in assembling the case material. It will also cover equipment and material required for carrying out the investigation.

IRAQ

Imports of Drugs Nationalised

THE Government of the State of Iraq has issued an order making the import of pharmaceutical and veterinary products a State monopoly. The measure, accord-

ing to the Baghdad Radio which made the announcement, has been taken to "curb speculation and keep prices down." The company formed to take over the importation and distribution of drugs and pharmaceuticals is to be known for the present as General Drugs and Pharmaceuticals Importation and Distribution Co. and will operate from the headquarters of the nationalised African-Iraqi Co., South Gate, Baghdad. It is understood that goods on the way when the Order was made (August 11), will be accepted by the state company. Importation of baby foods and similar products are also controlled as are insecticides and fertilisers.

UNITED STATES

Another Tetracycline Patent Suit

THE storm over tetracycline patents (see *C. & D.*, August 15, p. 155), has been carried a stage further with the announcement by McKesson & Robbins, Inc., that the antibiotic was being made and sold by them under their own trade mark from American basic materials at a price well below competing brands. Chas. Pfizer & Co. Inc. and American Cyanamid Co.'s Lederle division, are suing the basic materials suppliers (International Rectifier's Rachel Laboratories, one of the suppliers of the antibiotic to the Government) and Pfizer are also suing McKesson & Robbins for patent infringement. On the other side McKesson & Robbins have filed an action asking that the Pfizer patent on tetracycline be declared invalid and void arguing that the discoveries claimed by Pfizer "were generally known long before the patent application had been made and that the patent had been issued to Pfizer in error." Meanwhile the Lederle Laboratories division has withdrawn all its wholesale business, believed to amount to over £4.3 millions a year, from McKesson & Robbins. For Cyanamid a spokesman said that the Cyanamid patents affected were No. 2911339 issued November 3, 1959 and No. 3092556 issued June 4, 1963. The company had spent about £6 millions in development work on the many aspects of the antibiotic over the past twenty years.

TRADE NOTES

Where to Send Orders.—Kerodex, Ltd., point out their address is 436 Essex Road, London, N.1 [corrected note].

One-litre Pack.—Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex, announce that the forte syrup presentation of Vallergan brand trimiprazine tartrate is now available in a 1-litre bottle in addition to the 125-mil container.

Toy With Tooth-paste.—International Chemical Co., Ltd., Chenies Street, London, W.C.1, announce that, with every carton of Kolynos toothpaste (super white, chlorophyll or fluoride) is banded a plastic toy lorry, without addition to the price.

A Hair Cream for Men.—One of two new toiletries for men introduced by Zigmunt (Bond Street), Ltd., 42 Old Bond Street, London, W.1, is Ambassador hair cream, the other Ambassador deodorant and perspirant stick [corrected note].

Orders Still Received by Phone.—Wright Layman & Umney, Ltd., 42 Southwark Street, London, S.E.1, point out that they are still equipped to receive orders that are telephoned to them. What is being discontinued is the previous practice of telephoning certain customers to solicit orders.

Now in "Economy" Bottle.—Inecto, Ltd., 27 Dover Street, London, W.1, are marketing their Hint of a Tint in an "economy" size bottle containing enough for four shampoos. It is understood to represent a saving of eightpence against the cost of four sachets.

Razors as Prizes.—Ronson Products, Ltd., Leatherhead, Surrey, and Rank Theatre Division are co-operating in a competition to be run in conjunction with the film "The First Men in the Moon." The competition, in which entrants are invited to identify objects in a "still" from the film, is being featured in provincial papers throughout the country to coincide with the showing of the film. Among the prizes are twenty-one Ronson electric shavers.

Never a Cold Bed.—In the Dreamland electric blankets, manufactured by Dreamland Electrical Appliances, Ltd., 30 High Street, Southampton, Hants, there may now be incorporated a new "Memorie" time switch that may be set to operate at the same time-settings night-after-night without adjustment. Luxury models of the blankets are fitted with a specially designed illuminated five-position switch with three heating and two off positions.

Repacked for the Winter Season.—Carter Brothers, Glen Laboratories, Shipley, Yorks, give a reminder that their Zono Therm-O-Wool is likely to be in heavy demand during the coming winter months and they invite orders at an early date. Zono Therm-O-Wool is a cotton-wool impregnated with capsicum, wintergreen, camphor and terebene. This year it is being issued in sealed polythene bags to minimise risk of evaporation of the volatile ingredients. Prices are unchanged.

Influenza Virus Vaccine.—Flugen-E oil-adjuvant influenza virus vaccine (inactivated) which is formulated by the Wright-Fleming Institute and distributed by Beecham Research Laboratories, Ltd., Brentford, Middlesex, is modified each year so that it is composed of the strains considered most likely to cause influenza in that year. For 1964 the composition is A2/Singapore/1/57, 1,000 haemagglutinating units; A2/Netherlands/65/63, 1,000 h.u.; B/England/939/59, 1,500 h.u.; and B/Taiwan/4/62, 500 h.u. It is available in an 0.25-mil single-dose syringe.

Lightweight Elastic Hosiery.—LASETON PRODUCTS, LTD., Redruth, Cornwall, have produced a leaflet recommending that women who wear elastic hosiery should own at least two pairs—a heavy pair for housework and a lighter pair for leisure wear—and a showcard/dispenser from which the leaflet may be taken by customers.—Burson lightweight elastic stockings, the distributors of which are FASSETT & JOHNSON, LTD., 86 Clerkenwell Road, London, E.C.1, are described by the

makers as "the support stockings that give moral support as well." They are "designed to look and flatter like regular nylon stockings" and are available in six regular stocking sizes in "an up-to-the-minute shade."

Guidance for the Layman.—Two new titles have been issued in the *Family Doctor* series of booklets published by the British Medical Association. "Easy Childbirth" introduces the expectant mother (and father) to the "psycho-prophylactic" method of childbirth, explaining the system now being taught in some ante-natal clinics. "Travelling without Tears" is a simple guide to travel abroad, covering what to take, what to avoid and how to deal with trouble when it arises. Distributors of the booklets (price 1s. each) are Continental Cosmetics, Ltd., 88 Fonthill Road, London, N.4.

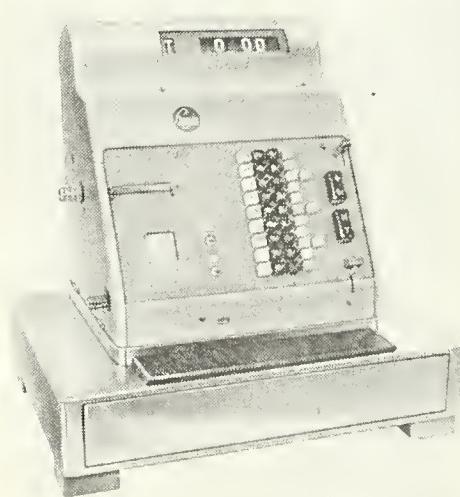
Health Beauty Diary.—Universal Laboratories, Ltd., Sandwich, Kent, have again produced a pocket diary specially for slimmers and figure-conscious people. The 1965 Diet, Health and Beauty Diary contains 80 pages of special articles and photographs on subjects ranging from overweight to care of the hands and feet. In the past two years over a half a million copies of the diary are understood to have been sold. The introductory price to chemists for delivery after September 30 is 20s. 6d. per doz. for a 3-doz. display outer.



North of England Link-up.—Counterpoint Store Equipment, Ltd., have appointed James White (Shopfitters), Ltd., Gateshead-on-Tyne, their agents for the sale of Counterpoint equipment in Scotland and the north of England. By the link up Messrs. Counterpoint state that they will be able to offer northern pharmacists the same prompt service and economic installation which is currently available in the south of England. Messrs. J. White have established a fully equipped Counterpoint showroom at their Gateshead office.

"Big" Launch.—Beecham Toiletry Division, Beecham House, Brentford, Middlesex, are launching "tailored tub" of Brylcreem (see C. & D., August 15, p. 143) "in the traditional Beecham manner—Big. With special introductory offers" (threepence off the junior, fivepence off the medium, eightpence off the large tubs and sixpence off the "dispenser" refill). "If this little lot doesn't hoist your turnover of Brylcreem," say the makers, "it will be because you haven't ordered enough! Check that you have."

Still at Old Price.—Wright Layman & Umney, Ltd., 42 Southwark Street, London, S.E.1, state that the price of Wright's coal-tar soap (bath size) has been increased to 1s. 10d. but that all orders received up to and including September 1 are being invoiced at the old trade price.



FROM SWEDEN: Two of the cash registers manufactured by Hugin Kassaregister, AB, Stockholm, Sweden, available from the recently appointed United Kingdom agents to the retail market, G. H. Gledhill & Sons, Ltd., Halifax, Yorks. The models shown are (left), Speedlisting (Ka 23) capacity £99 19s. 11½d. and (right) Ka 36 with visible audit strip.

Applying for Registration.—MORPHY-RICHARDS (CRAY), LTD., 80 Pall Mall, London, S.W.1, are preparing and submitting an application for exemption from provisions of the Resale Prices Act, 1964, for all products of the company. The company's managing director writes "We have decided to take this course of action in the belief that—whatever the outcome of the cases to be heard by the Restrictive Practices Court—our duty at the present time to both the trade and the consumer is to ensure reasonably stable trading conditions during the period of uncertainty following the passing of the Act.... It is not possible to say when our application will be heard by the Court. However we envisage that, owing to the administrative problems involved, judgment could not be given on our case before Autumn 1965 at the earliest."—The chairman and managing director, RONSON PRODUCTS, LTD., announced on August 14 that the company are proposing to apply—either independently or in support of an application from the respective trade associations—for the exemption of their electrical appliances from the Resale Prices Act, 1964. Until the Court has given its decision on the applications the company's intention is to enforce resale price maintenance and to take action against any dealer who sells at prices other than those fixed by the company (address: Leatherhead, Surrey).

Christmas Showrooms

THE following have been notified:—

H. BRONLEY & CO., LTD., Brent Bridge Hotel, LONDON, N.W.4, August 24-28.

COTY (ENGLAND), LTD., Brent Bridge Hotel, LONDON, N.W.4, August 24-27. Metropole Hotel, BRIGHTON, August 24-28. Queen's Hotel, CARDIFF, August 24-28. Victoria Hotel, NOTTINGHAM, August 24-28. Great Northern Hotel, LEEDS, August 24 to September 3, 239 St. Vincent Street, GLASGOW, August 24 to September 4. Station Hotel, INVERNESS, August 26 and 27.

CUSSONS, SONS & CO., LTD., Black Boy Hotel, NOTTINGHAM, August 24-27. Royal Hotel, BRISTOL, August 24-27.

J. GROSSMITH & SONS, LTD., Brent Bridge Hotel, LONDON, N.W.4, August 24-28. Royal Turks Head Hotel, NEWCASTLE-ON-TYNE, August 24-28. Victoria Hotel, NOTTINGHAM, August 24-28. Metropole Hotel, BRIGHTON, August 24-28. Royal Hotel, BRISTOL, August 24-28. St. Enoch Hotel, GLASGOW, August 24-28. Adelphi Hotel, LIVERPOOL, August 24-28.

JACKEL & CO., LTD., Metropole Hotel, LEEDS, August 24-27. Grand Hotel, GLASGOW. August 24 to September 4.

SHULTON (GT. BRITAIN), LTD., St. Enoch Hotel, GLASGOW, August 24-28. Adelphi Hotel, LIVERPOOL, August 24-28. Victoria Hotel, Milton Street, NOTTINGHAM, August 24-28. Brent Bridge Hotel, LONDON, N.W.4, August 24-28.

Bonus Offers

BAYER PRODUCTS CO., Surbiton-upon-Thames, Surrey. Actual. Thirteen invoiced as twelve on order for 1 doz. either size; fourteen invoiced as twelve on order for 2 doz. or more in 1-doz. packs either or both sizes.

BOOTS PURE DRUG CO., LTD., Wholesale division, Station Street, Nottingham. Fenox drops and spray and Strepsils. Twelve invoiced as eleven on order for 3 doz.; twelve invoiced as ten on order for 6 doz.

PHARMACEUTICAL SPECIALITIES

Protection for Burned Skin.—Tidebrook Chemical Products, Ltd., 175 Piccadilly, London, W.1, have launched a new preparation, "N" for burns, for the local treatment of burns. It is described as a mild coagulant that, within minutes of its application, forms a protective dry film on the burned area. So soon, say the makers, as "N" for burns is applied, "all pain is abolished and the checking of fluid loss assists in minimising shock." Being itself anti-septic, "N" for burns requires no bandages or dressings, and best results are obtained if the burned area is exposed to light and air after treatment. The product contains 15 per cent. of sodium salts of dihydroxy diaryl methane sulphonate acid polymers in tragacanth jelly. The packs are jars of 2 and 4 and (hospital pack) 20 oz.

SUNDRIES

A Range of Hot-water Bottles.—Cannon Rubber Manufacturers, Ltd., Ashley Road, London, N.17, are in full production of a newly designed range of ten moulded rubber hot-water bottles, all to be marketed under the brand name Cannon. The bottles are elegantly styled and attractively packed. They include the Cannon Velvetex, an extra-large luxury bottle of soft texture ribbing, with fitted stopper retainer and spare washer; the Fleur de Lis and the redesigned Radiator (the latter back after repeated requests from chemists) large and standard No. 3 sizes, both ribbed and double-ribbed, a large smooth-surfaced bottle, the Cannon

222, and a cot-size engraved bottle with a nursery motif. The Noah's Ark series (cat, dog, bear and rabbit) are full-size bottles packed individually in novelty boxes.

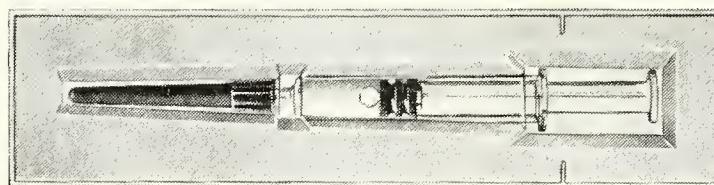
New Torches and Display Unit.—Vidor, Ltd., Erith, Kent, have made two additions to their Vidoray range of torches and lanterns, and are issuing a special Vidoray retailers' pack and torch stand-up display. One of the new torches is a general-purpose combined lantern/flasher, the 9005, a feature of which is its non-corroding plastic body. The other newcomer is a version of an existing Vidoray compact-type torch with a different type of lens and a finish of polished chrome. Both torches are included in the Vidoray retailers' pack, which comprises twenty-one torches and lanterns covering six different models.

COSMETICS AND TOILETRIES

Clear Hair-spray Refill.—André Philippe, Ltd., 71 Gowan Avenue, Fulham, London, S.W.6, now offer, in a divided outer of 3 doz., a refill bottle of their No. 14 crystal clear hair spray.

HOUSEHOLD PRODUCTS

Bleach in Sachet.—Mayborn Products, Ltd., Dylon Works, London, S.E.26, have introduced Dylon dry bleach, a powder in one-dosage sachet for use in home washing machines or laundrettes. The constituents are understood to include a new type of chlorine-releasing agent to give a gentle, controlled chemical action with a high safety factor.



Orgaject disposable syringe in which Durobolin (nandrolone phenylpropionate) is issued by Organon Laboratories, Ltd., Crown House, Morden, Surrey.



NEW DESIGNS IN COMPACTS: Items from the 1964 range of Laughton & Sons, Ltd., Warstock Road, Birmingham, 14. In the left-hand picture are convertible and 10-sided convertible compacts, Nos. 323/ET/16 and 348/P, for loose or solid powder, Princess compact, No. 529/ENG (for loose powder only); and 10-sided convertible, No. 343/ET/20. At right are Queen convertible, No. 381/634, Contessa compact (for loose powder only), No. 747/IN, convertible, No. 348/P and 10-sided convertible, No. 368/HP.

EQUIPMENT FOR PACKAGING AND FILLING

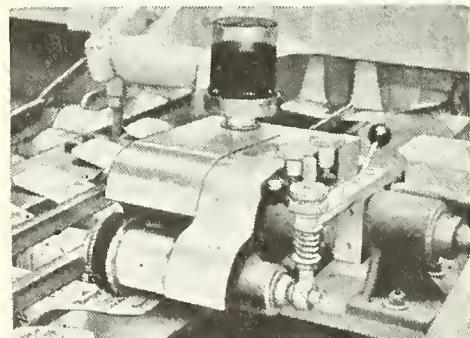
Automatic Filling and Lidding.—Included in the range of powder/granule filling machines of Areenco-Alite, Ltd., Pixmore Avenue, Letchworth, Herts, is an automatic model incorporating a lidding section. For granulated materials a "free-flowing" set is fitted. The filling unit can be adapted for ampoules or for handling sticky and hygroscopic powders and certain antibiotics.

Carton Gumming Machine.—The St. Michael carton gumming machine has been produced by St. Michael Engineering Co. (Manchester), Ltd., Weymouth Road Works, Winton, Eccles, Manchester, for the manufacturer who uses a varied range of cartons for packaging food, soap, cosmetics and pharmaceuticals. The setting is adjustable to deal with any thickness of flap; glue film-thickness is adjusted by hand.

Agency Agreement with German Company.—Wright Machinery Co., Ltd., 18 David Road, Poyle Trading Estate, Colnbrook, Bucks, have been appointed sales agents for H. Strunck & Co., Ehrenfeld, Cologne, West Germany. Strunck bottling equipment, which comprises unscrambling, air cleaning, washing, sterilising, filling, capping and labelling machinery, as well as overwrapping, bundling and tablet sugar-coating equipment, is used largely in the pharmaceutical, cosmetic and general bottling industries.

Wire Buckle and Strapping Tool.—P. P. Payne & Sons, Ltd., Haydn Road, Nottingham, offer packers two accessories for use with their Tufstrap flexible strapping tape. A reinforced heavy gauge wire buckle is available for tensioning Tufstrap $\frac{1}{4}$ - $\frac{3}{4}$ in. wide. Made from high tensile steel and heavy galvanised finish, it is re-usable. Also newly introduced is a pallet strapping tool, weighing only 2 lb. 6 oz. When the strap has been tensioned and sealed, an inbuilt cutter operated by a hand-lever cuts it at the appropriate point.

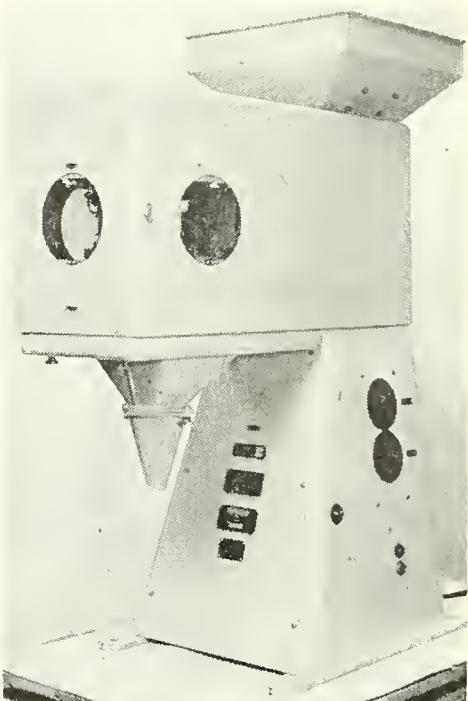
Two Carton Imprinters.—A compact cartoning machine attachment developed by A. Gottscho, Inc., New Jersey, U.S.A., for imprinting control numbers, codes, prices, varieties, etc., on the bodies or flaps of folding cartons, is available from Mark-O-Print, Ltd., Harlequin Avenue, Great West Road, Brentford, Middlesex. Designed for attachment to all popular makes of automatic cartoners, the imprinter is made in two basic styles. The Rolaprinter "1270" applies the



Rolaprinter "1270," supplied with mountings for simple attachment to cartoner.

imprint from above and the "1280" from below; choice depends on the types of cartons used and location of imprints. The machines are fully automatic and do not interfere with pushers or other parts of the cartoning machines to which they are attached. Full annular registration simplifies the precise placement of imprints in any desired location, and interchangeable diewheels facilitate changeover from one imprint legend to another.

A Simplified Weighing Machine.—To meet the need of larger companies for a stand-by weighing machine and of the smaller firm for an inexpensive machine, Autopack, Ltd., Spring Lane, Malvern Link, Worcs, have produced a simplified version of their "59" general-purpose vibratory-feed-type weighing machine. Known as the model 59S, the machine has a standard Autopack weigh beam and balance assembly

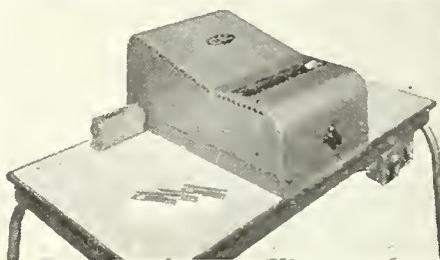


unit, and the weigh pan is fed from a two-speed vibratory feeder drawing from a standard hopper. As the weighing approaches completion, the vibratory feeder is tripped into slow speed. On completion of the weighing, the feed is mechanically cut off and the weigh-pan electrically tripped. The machine is supplied for bench mounting, though a floor stand can be supplied when required. The speed is about sixteen weighings per minute and the range up to 1 kilo of dense material, 500 gm. of low-density products.

Shrinkwrap Machine.—Lerner Machine Co., Ltd., Lea Valley Road, Ponders End, Middlesex, have developed an automatic two-stage machine for wrapping products in shrinkable film. Named the Lerner Trescowrap, it is based on a model from Trescott Co., Inc., U.S.A. Output is 1,200–1,500 packages per hour. Operation is in two stages: after wrapping, the pack passes through a controlled temperature shrink-tunnel to reduce the film wrap to the

contours of its contents. Vitafilm PVC requires about 200° F. for satisfactory shrinkage, and polythene about twice that temperature. The machine accepts packs of regular shape (or irregular if on a tray) up to 17 in. wide, depending on height.

Heat Sealing.—A simple catch-cover heat-sealing machine suitable for sample packs and the like is available from C. E. King & Sons, Ltd., 41 London Street, Chertsey, Surrey, who claim it "a great improvement over previous models." The operator folds and inserts the cover into the machine, which then automatically seals and ejects it while the operator is folding the next cover.

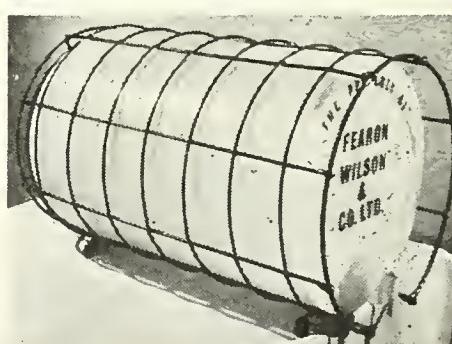


An output of twenty covers a minute is claimed. A coding attachment can be supplied in the heated jaws and a special device ensures that covers do not stick during sealing. Additional extras include a table with ejector chute and an output counter.

Bulk Containers

Tough, Light-weight Tubs.—Thermo Plastics, Ltd., Luton Road Works, Dunstable, Beds, offer a range of injection moulded tubs in low- or high-density polythene and polypropylene. There are eight sizes, ranging from 6 gall. to 35 gall. Although light, the tubs can have heavy duty applications. Non-toxic, smooth, chemically resistant and easily cleaned, they can be "nested" without jamming when not in use.

Polythene Bulk Containers.—Rose-dale Associated Manufacturers, Ltd., 20 Eastbourne Terrace, London, W.2, make the new intermediate bulk containers (Plasbins), moulded from Alkathene and developed in conjunction with the plastics division of Imperial Chemical Industries, Ltd. Available initially in capacities from 60 cu. ft. (for solids) to 250 gall., Plasbins are light, tough, easily handled and "stackable."



LIGHTWEIGHT CARBOY: Ten-gallon Polythene carboy in fabricated steel strip crate available from Bowater Packaging, Ltd., Bowater House, Knightsbridge, London, S.W.1, for storage and transporting inert or corrosive liquids.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Advertising the Pharmacists

SIR,—The Pharmaceutical Society must become less conservative in its outlook. Many organisations, including the Stock Exchange, the Insurance Companies and the Banks, are advertising themselves on a wide scale. Why not a substantial advertising campaign on behalf of pharmacists, the object being to persuade people to shop in the pharmacy? We could follow a leading firm of photographic manufacturers and use the slogan: "Your chemist knows about medicines."

IVAN H. LESTER, B.Pharm., M.P.S.,
Leeds, 11

The Title "Apothecary"

SIR,—May I congratulate you upon the four articles written by Dr. Whittet? Whilst I realise that the title "apothecary" cannot now be used by pharmacists on account of its legal connection with registered medical practitioners, I do feel, however, that it is a real pity that, as the title is not in general use now, the law cannot be altered in this slight respect to enable pharmacists to use the title of "apothecary" should they desire to do so. The view of Dr. Whittet, as also of other colleagues, would be most interesting.

G. W. HUMPHREYS,
Middlesbrough

A Colleague Sent to Coventry

SIR,—May I through your columns hasten to assure your readers that the majority of Coventry pharmacies are conducted in a truly professional manner and very few resort to selling items that are not generally accepted as normal chemist's merchandise. The members of the Coventry Branch of the N.P.U. wish to dissociate themselves from the remarks of Mr. Jardine in his letter of August 8 (*C. & D.*, p. 125).

H. S. LINTON, Secretary,
Coventry Branch,
National Pharmaceutical Union

Cut-price Blades

SIR,—*Daily Telegraph*, August 5: "A spokesman for Gillette thought very little was likely to happen in the way of price cuts."

Financial Times, August 6: "Quick Supermarket Cuts in Gillette Prices."

Further comment unnecessary!

H. ROBERTS,
St. Annes, Lancs

SIR,—One of the points in the election address of Mr. Sparshott when he put up for the Council of the Pharmaceutical Society was that he was in favour of price maintenance. Within a few weeks of his election to the Council his company is advertising, on its windows, Gillette blades at reduced prices. I think an explanation is due to members.

E. J. COOPER,
Hitchin, Herts

SIR,—Messrs. Gillette have, over the years, and under the umbrella of Resale

Price Maintenance, distributed their blades through as many retail outlets as possible. They had a near-monopoly in razor blades and were therefore in no hurry to introduce a stainless-steel product. The success of Sword Edge, not the public need, made them change their tune. Following the Resale Prices Act, 1964, they could have shown solidarity with the shopkeeper by applying to the Restrictive Practices Court to have their products exempted from the provisions of the Act. The granting of such exemption would not, by any means, have been certain; but they could have tried! Instead, with almost indecent haste, they "jumped the gun" and thus got, for themselves, and for a supermarket chain, a large amount of free (but undeserved) Press publicity. Thanks for nothing, Messrs. Gillette, and if the next Government nationalises you—I won't even shed a crocodile tear.

MUGWUMP-159

First £200 Promised

SIR,—Now that resale price maintenance is virtually abolished, perhaps chemists would be willing to get together and try and explore means and ways of forming a company that would organise supplies of chemists' own tooth-brushes, stainless-steel blades, tooth-paste, slimming biscuits, hair cream, A.P.C. tablets, etc., to be supplied to chemists only through chemists. I am willing to back such a project with a £200 start. Are other pharmacists prepared to invest £100 each to form a company to get this matter over to all chemists? We need at least 100 chemists to start such a scheme and to back it by purchases from themselves, all being shareholders.

B. KITSBERG,
17 Wolmer Gardens,
Edgware

Stirring Some Action

SIR,—A gold medal to Mr. Beanland (*C. & D.*, August 15, p. 147) for his attempt to stir some action from pharmacists. I think he should direct his efforts towards the younger pharmacists like myself, who have not yet or have only recently acquired businesses of their own. I have personally taken some steps in what I think is the right direction, by refusing to stock Veno's, Vick, Galloway's and Owbridge's cough mixtures—and very successfully, I may add. Sales of our own brands have shot up. I would like to stop stocking the complete Beecham range of products (and certain others) but (a) taking them on alone would be like a spit in the Grand Canyon; and (b) I would have to convince my employers that I am on the right track. I am sure I can handle (b) all right and if supporting action were taken by 10,000 other pharmacists, Messrs. Beecham would think twice about their current sales policy. How about a "Gallup poll" to see how many pharmacists would support such

action? I am sure it would be revealing. United we stand, divided we will surely fall.

KENNETH MILNE, M.P.S.,
Southend-on-Sea

Reunion at Plymouth

SIR,—May I, through your columns, announce that the first reunion of ex-students and tutorial staff of the Plymouth School of Pharmacy will be held at the Duke of Cornwall Hotel, Plymouth, on October 18, commencing with tea at 4.30. There will be time for discussions with a view to forming an Old Students' Association, followed by dinner at 7.30 p.m. The occasion will be honoured by the presence, in his official capacity, of the lord mayor of Plymouth, and the principal guest will be Mr. V. Smith (former head of the School). Dress will be informal, and the charge, inclusive of both tea and dinner, will be 30s. Application for tickets should be made to myself. Members desiring overnight accommodation are asked to notify me at the same time.

MERVYN MADGE, Secretary,
1 Saltburn Road,
St. Budeaux, Plymouth

Right Way to Calculate

SIR,—The letter from Mr. J. A. Cooke (*C. & D.*, August 8, p. 126) complains that Mr. Morgan "has the wrong approach to the question of remuneration." Surely this charge must be levelled against Mr. Cooke, because he is making the great mistake of confusing *net* remuneration with *gross* remuneration. Assuming his basic figures are correct, the only increase in net remuneration in the 5·2d. per prescription is the 0·7d. increased oncost. The correct method is to calculate both gross and net remunerations as follows (based on his basic figures):—

1963 AVERAGE

	d.
Net ingredient cost	75·5
Oncost, 18 per cent.	
average	13·59
Dispensing fee average	17·2
Container allowance	1·62
<i>Gross remuneration</i>	<hr/> <hr/> = 107·91
<i>Net</i>	<hr/> <hr/> = 30·79 as above

1964 AVERAGE (ASSUMED)

	d.
Net ingredient cost	80·0
Oncost, 13·7 average	10·96
Dispensing fee	27·53
Container allowance	1·62
<i>Gross remuneration</i>	<hr/> <hr/> = 120·11
<i>Net</i>	<hr/> <hr/> = 38·48 as above

an increase of 7·7d.

From this Mr. Cooke must realise that the Ministry is going to have to pay an extra gross figure of 12·20d. per

script, not just 5·2d. as he states. This is made up of 4·5d. extra ingredient net cost and 7·7d. extra net remuneration. That 7·7d. multiplied by the 205½ million scripts gives a total net increase in remuneration to contractors of £6 millions approximately. Quite a different story from Mr. Cooke's conclusions.

CONTRACTOR 33

Remuneration Standards

SIR.—Correspondence regarding the new agreement with the Ministry of Health, which appears to be so unfavourable towards the small contractor, emphasises the wisdom of Mr. Murley's motion at the Pharmaceutical Society's annual meeting two years ago, when it was demanded that negotiations should be taken over by the Pharmaceutical Society as representing the interests of pharmacists as a profession. What appears to escape notice in the present set-up is that the Ministry does not negotiate with pharmacists at all *qua* pharmacists. Negotiations are carried on by the owners of businesses, that is people who employ pharmacists, and it is a regrettable fact that a large proportion of the owners of businesses are not in fact pharmacists at all, and the remuneration of the pharmacist is no more than an item in the "cost of providing the service." Indeed, almost the same people who have just concluded negotiations with the Ministry will shortly be facing the representatives of employee pharmacists in a determined struggle to keep down the remuneration of pharmacists to the lowest possible level and will solemnly assure us small contractors that this is being done in our interests. No other profession would permit its claims to be presented in this way by those who are virtually third parties, but it would seem that there are two courses of action which we small contractors can take for our preservation:—(1) To put all our weight behind the claims of employee pharmacists for a realistic increase in their remuneration (comparison with the medical and dental professions would suggest £2,000 a year as a fair opening claim). (2) To impress firmly upon the National Pharmaceutical Union Executive that *our* interests are those of pharmacists rather than those of big business—consequently we

A PHARMACEUTICAL BYGONE



A white glazed earthenware feeding cup in the Alton, Hants, museum.

do not want pharmacists' earnings kept low—we want to see them raised to parity with comparable professions. It may still be possible to get an entirely new system but at least a lot can be done within the limits of the system now in operation, and it may well be that action on the lines I have suggested could achieve more (in the light of present facts) than an entirely new start. In any case it is now an internal domestic matter rather than a struggle involving Members of Parliament.

STANLEY BUBB,
Branksome, Poole, Dorset

Try the Grocer

SIR.—I enclose a copy of a letter sent to Richard Hudnut at Eastleigh this weekend.

One of the commercial travellers of your group visited me today with a new product called Diminex for haemorrhoids, which appears to be a rehashed Anusol with a local anaesthetic. I refused to take into stock this product because it seems that your friends the supermarkets and grocers are much more capable of promoting and establishing the sales of this high-customer-appeal commodity which—not surprisingly—does not contain a scheduled poison and therefore may be sold wherever you can unload it. Thank you for telling me in brutally plain language how dissatisfied you are with chemists in their efforts to sell your products, as you did in a recent issue of the *Grocer*, a copy of which is before me as I write. Do you think that your go-getting friends the grocers will be happy in stocking the multifarious shades of Flatter-Glo, that lively seller Listerine, or those Warner products, Anusol, Agarol and Gelusil? Remember you will have to put up with confounded chemists if you wish to continue to sell Veganin. The final sentence of the offending article tells us that we have seen "only the preliminary skirmishes" in the battle to bring the beauty aids boom into the supermarkets and grocers. So seriously am I concerned with this battle that I have taken steps to show the *Grocer* article to hundreds of my fellow chemists.

BRIAN V. ATKINS.
Whitley Bay, Northumberland

Spontaneous or Imposed?

SIR.—It was recently reported (*C. & D.*, July 11, p. 38) that a motion brought before the Council by Mr. D. E. Sparshott in favour of pre-graduate training had been defeated. I believe this to be an unfortunate decision, and that the subject merits more general comment. My not inconsiderable experience of newly qualified pharmacists indicates that a large majority of them favour pre-graduate training. Any break in the continuity of the habit of study was slight, easily recoverable and well compensated by the early realisation that ability in retail pharmacy was the final objective and that the future academic tuition for qualification was a contribution to that ability. The business of retail pharmacy, and the many problems in its conduct, were learned with less embarrassment to themselves and to those concerned with their training than was the case in post-graduate training. Furthermore, having received proper and adequate practice at the dispensing bench, and having fully availed themselves of a training course such as is effected by the multiples, they felt themselves better equipped for their later studies, particularly in practical and forensic pharmacy, and of greater value in vocational employment. It would appear that post-

graduate training is favoured by the universities and training colleges, and that surely indicates the implementation of an educational policy imposed upon retail pharmacy rather than the fulfilment of one which develops from our daily functions and requirements, present or reasonably anticipated. No discussion of post- or pre-graduate training is adequate for the future without consideration of the economics of the context of such training. The larger firms in industry and commerce spend much money and time in training staff and the drift of such trained personnel to smaller firms who undertake no training has caused serious concern in recent years. Already, in engineering, proposals have been made for financial contributions to be made throughout the industry to provide subsidies to those firms who undertake training. What happens in retail pharmacy? The majority of students are trained in hospitals and by multiple firms. In this given context, whose counsels merit the greatest weight of authority when advocating pre-graduate training?

S. MAWSON,
Manchester

No Backbone? No Legs?

SIR.—The views expressed by the two correspondents in last week's issue of the *C. & D.* (August 15, p. 146) under the heading "Stockings in Pharmacies" are typical of the airy, head-in-the-clouds, quasi-ethically impregnated pharmacists of yesteryear. It is quite obvious, I think, that these good people are in "pharmacy for their health and charitable remuneration only"—the somewhat degrading words "profitable business returns" smacks too much of lowly, monetary dealings. This is absolute twaddle, of course. In order to survive against the intense competition of well-organised grocer and superbly merchandised supermarket it is essential, I should have thought, to model one's shop on the lines of Messrs. Boots' branches (who, in turn, are extremely well mechanised financial establishments) and carry the fight into the enemy's camp, so to speak. To withdraw into the clouds behind vague, nebulous, self-righteous phrases of ethical professionalism is to admit defeat. It is a step back into the dreary past again. Phrases like "store trading," "cheap drapery," and "greedy" are the sorrowful remnants of the old brigade; devoid of meaning, out of place in the modern, intensely competitive field of today. They are the nails which are slowly and surely being driven into the lid of pharmacy's coffin. What these people are unable to grasp is that the customer's demand is all-embracing and all-prevailing. Ethical morality in itself has neither backbone nor legs to stand on. We are businessmen (or should be) and as such have the duty to supply the demands of customers, on whom our livelihood depends, whatever personal sacrifice that may entail.

H. D. JARDINE,
Coventry

POSER SOLUTION

THE prescription reproduced in last week's issue (p. 148) was for "Tabs. Femergin. 1 t.d.s. Mitte 12."



The CHEMIST AND DRUGGIST

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Public Spirit or Over-suspicion?

"TRADERS have been suspected of negligence and dishonesty more often than they deserve, and some consumers have been too ready to jump to the conclusion that they were victims of error or deceit." So writes the Buckinghamshire county chief inspector of weights and measures in a report to his council. He points out that although purchasers are much alive to their own interests, an analysis of complaints shows that they often seek redress on scanty and unreliable evidence. Where purchasers complained of deficiencies in the quantity of goods delivered, investigations proved that 66 per cent. of the alleged grievances were groundless. In 17 per cent. of cases it was not possible to determine the quantity concerned, so the issue remained in doubt, and in the remaining 17 per cent. the allegations made were proved justified. The inspector comments: "Nevertheless, the public-spirited individuals who will not tolerate injustice and are prepared to do something positive about it are of great assistance to my department in its work and I acknowledge their services with thanks." The term "consumer protection" would be, he suggests, a more accurate description of the range and variety of his department's work than "weights and measures," though it would not encompass the whole scope of such a department's activities. "The most important quality that an inspector can possess is . . . the ability to be impartial and to demonstrate in his dealings with the public that he is so. But as an official of a consumer protection department he begins with an overdraft on the bank of commercial confidence, for he can all too easily become associated with a bias against shopkeepers and manufacturers alike. . . . Although much of an inspectors' time is well spent in ensuring that consumers are protected as completely as the law allows, his functions extend to duties other than protection and his responsibilities to persons other than consumers." That independent attitude is likely to be even more necessary and desirable as the Weights and Measures legislation now being introduced becomes effective.

Traders' Rating Problems

A WIDELY reported statement made recently by the Chancellor of the Exchequer has attracted a barrage of questions from traders, many of whom are hopeful of seeing the amount of rates they have to pay reduced or at least kept from spiralling upwards. But what the changes are going to be is anyone's guess. Much will

depend on the outcome of a comprehensive review of local government finance now being undertaken by a committee of experts. What is clear is the need for a review of—and for changes in—the rating system. Local government expenditure has risen nearly two-and-a-half times in the past ten years, and a still-growing population and expanding services will cause it to rise even further. The total sum collected in rates has also risen and is now, in money terms, five times its pre-war figure. The proportion of Government grant to rates collected has changed simultaneously. Fifty years ago local authorities collected £3 in rates for every £1 of central Government grant. Just before the 1939-45 war the proportions were £3 to £2; now Government grants meet more than 50 per cent. of net local government expenditure. Local government expenditure at present is at about £2,000 millions a year from local and central taxation. Over half of that amount—about one-sixth of the total Budget commitment—comes from the Exchequer. Of the remainder half comes from commerce and industry, leaving less than a quarter of the total to be borne by the householder. Less is collected from householders in rates than is yielded by the duties on alcohol or oil or purchase tax, and the amount is less than a third of the total collected in income tax through P.A.Y.E.

One possible change is that local councils will be instructed to find further local sources of revenue. Past attempts in that direction have failed. They have often resulted in traders losing business to municipal enterprises or paying rents or levies out of all proportion to the saving in rates. A more likely change is in the balance between rates and taxes. If a greater Government share were decided on the question would arise whether to increase grants or take over financial responsibility for one or more services, either in part or in whole. That again involves objections, for if the Treasury gives out more cash then it will want more say in the way it is spent. Local government may then find itself under tighter Whitehall control, with local businessmen and councillors having far less to do with the running of their towns.



CHIPPINGS AND DROPLETS A MORSEL OF COVETED REFECTION

From the C. & D., February 15, 1877

LADIES and gentlemen who depend upon the Pharmaceutical Society's *conversazione* for their annual burst of gaiety are sorrowfully informed that, although it is likely that the *soirée* will be held as usual, it is this year to be deprived of its luxurious commissariat accompaniments. *Soirée*, according to Sam Weller, was French for boiled mutton and turnips. In the scientific vocabulary it has come to signify cool coffee and dry cake, with very occasional apparitions of strawberry ice. But now even these very moderate material comforts are to be denied us. Only those who have gazed with philosophic thoughtfulness on the refreshment bar at a scientific *conversazione* can appreciate the melancholy which will settle on the eminent crowd when they seek for nourishment and find none. We have seen strong men struggling with undisguised earnestness for a morsel of the coveted refection, and we have watched fair dames who have turned with weariness from the ennobling strains of martial music, from the fascinations of South Kensington art, aye, and even from the dazzling shirt fronts of the pharmaceutical councillors themselves, and who have only smoothed out the wrinkles from their marble brows when, on a crowded, uncomfortable bench, they have at last grasped the long-coveted cup.

INSURANCE for Retailers

An INSURANCE CORRESPONDENT discusses the importance of being fully insured not only against fire and theft but also against other eventualities

DURING 1962, the last year for which figures are available, there were more than 5,000 fires in the distributive trades in Britain—the vast majority of them affecting retail premises, mostly small shops. Many of the shopkeepers were fully covered by insurance and, financially, suffered little or no distress; for some, however, the consequences were disastrous. All too often an insurance policy has not been reviewed for many years. What represented a reasonable assessment of values in, say, 1954 must almost always be an under estimate when compared with 1964 values. It is important to check that both the building, with its fixtures and fittings, and the contents, including stock and machinery, are insured on the basis of current values. In fixing the sum insured provision should also be made for any outbuildings and their contents and for walls, gates and fences.

Fire, of course, is not the only hazard that may affect premises. The insurance should include protection against such other eventualities as storm, flooding, burst pipes, overflowing tanks, explosion, damage by vehicles, aircraft and riot.

Three Considerations

When examining the insurance cover three main considerations have to be taken into account: If one owns the building or has the responsibility of insuring it one should be covered for the full replacement cost to provide for protection in the event of the property being destroyed or extensively damaged. Apart from actual rebuilding operations, there may be site clearance costs to meet, as well as architect's fees and other expenses. Second, apart from the obvious items, showcases, counters, weighing machines, cash registers, equipment and the shopfront, together with any blinds, should be thought of. The occupier is also responsible for gas and electricity metering equipment, telephone installations, and property under hire-purchase agreements.

Finally, there is the stock-in-trade. In assessing its value one should be realistic. Fluctuations in the level of stock may occur at regular intervals during the year, for example at Christmas time, when the level is likely to be above average. The amount of insurance during such a period can be increased in advance by arrangement with the insurers.

Shops that provide a service to customers, taking in goods for repair or servicing, or processing (developing and printing) should pay particular attention to their responsibilities in that direction. By displaying a suitably worded notice, the shopkeeper's liability to make good the losses of customers whose property is damaged, destroyed or stolen while it is in his care may be limited. Most pharmacists are well aware that plate glass in windows and doors is vulnerable both to accidental and malicious damage—and expensive to replace and they normally take out the necessary insurance cover.

Burglary and Theft

After fire, come burglary and theft, the next most obvious risks to which the shopkeeper is exposed and it is worth remembering that insurance protection against burglary and theft does not extend to losses through shoplifting. The most popular target for thieves is money. Full insurance policies for shopkeepers covering a wide range of risks, include loss of money from the premises or during transit between the shop and a bank or post office. However, there are strict limitations on the extent of that cover—often including a stipulation that money (apart from a comparatively nominal float) must be kept in a locked safe at night. The risks involved in keeping large sums of money on the premises at any time are obvious, but it is not always easy to avoid doing so from time to time. It may be found that the amount of money held on the premises by the end of an afternoon is well above the maximum figure covered by insurance. If possible, one should bank twice on busy days, and certainly bank at the end of the day unless takings have been low, and should check to see that the insurance policy covers the maximum amount of money likely to be on the premises at any one time.

Loss of Profits

The great majority of large business firms have special loss-of-profit policies protecting themselves against the loss of gross profit that would follow a disaster such as a serious fire, which could halt or slow-down their operations. It is unfortunately true however, that too many small firms still do not have such cover, though it is even more essential to them than to

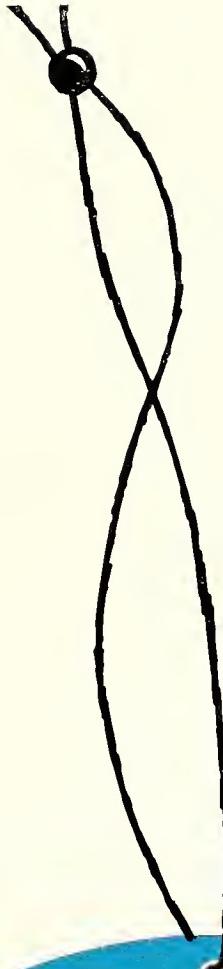
big firms. This type of insurance enables the trader to meet his overheads and to show the same net profit as would have resulted had no damage occurred.

Public Liability

Not all disasters need take the form of a fire or burglary, etc. A successful third-party claim for personal injuries due to negligence on the part of the shopkeeper or his staff, can be costly indeed. Awards may run into many £ thousands in this claims-conscious age. Even if a claim goes to court and the shopkeeper wins the case, he may still be heavily out of pocket due to legal costs. The fact that he may be awarded costs against the unsuccessful claimant does not necessarily mean that he will be able to recover them. Pharmacists know only too well the risk they face of being sued for damages as a result of selling a product which is claimed to be faulty. But it is not only members of the public who may claim. A member of the staff could be killed or injured as a result of negligence on the part of the owner of the business. A broken step on a cellar stairway, a defective piece of shop equipment, or a falling crate are but three simple examples of situations that could lead to a substantial claim for injury. In examining one's business insurance protection, the liabilities as an employer should be given careful consideration, and the risk taken care of through an employer's liability policy.

In taking out a personal accident policy, a retailer is assured of a regular weekly income for up to two years should he be incapacitated through injury, and the money could be used to offset the cost of employing someone to do his work for him during his absence from the business. However, illness is a greater risk than injury, and an accident and sickness policy—which, although more expensive, covers both accident and illness risks—is what the employer really needs.

From the foregoing it might seem that a shopkeeper would have quite a number of separate insurance policies. That might be found irksome, but in fact a combined policy may be obtained which comprises in one document, all the separate covers he may require. Thus the shopkeeper has only one renewal date and one premium to concern himself with.



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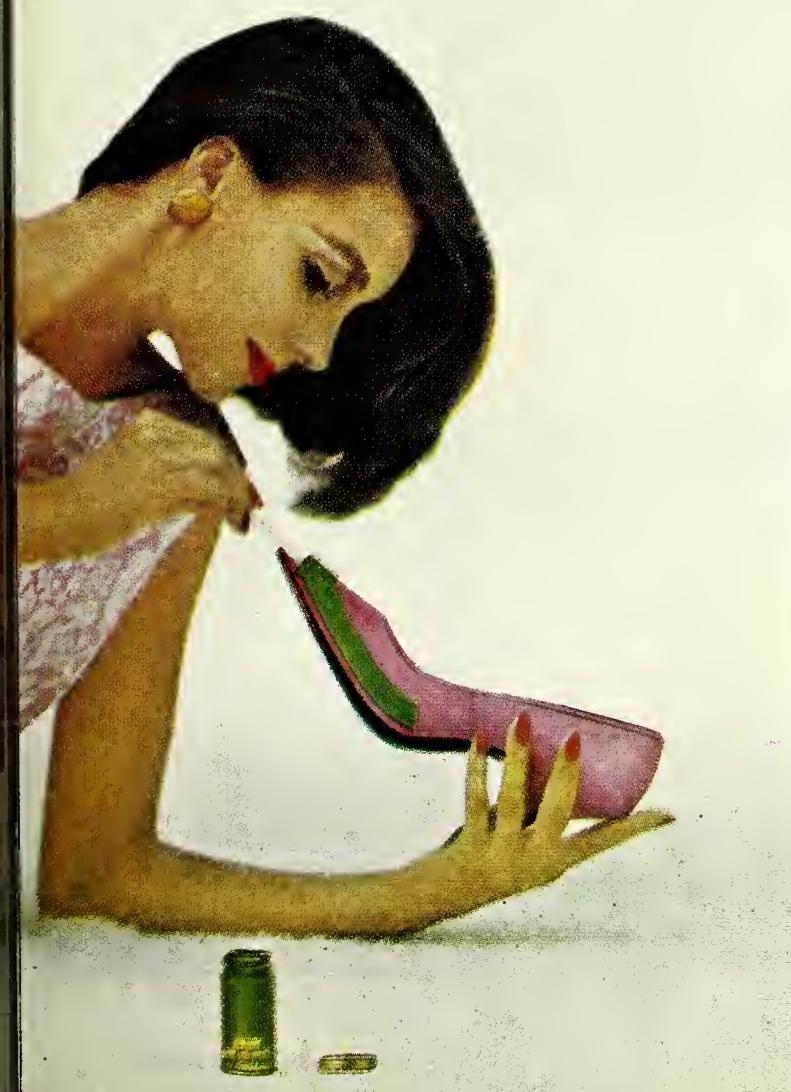
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THERE IS UNPARALLELED INTEREST IN HALASPRAY; THERE IS UNPARALLELED DEMAND FOR HALASPRAY; MAKE SURE YOU'VE GOT YOUR STOCK IN ADVANCE! Distribution will be by GEIGY PHARMACEUTICAL COMPANY LIMITED. Orders should be placed through the usual channels.

halaspray

From APOTHECARY to PHARMACIST : A Study of changes of title

T. D. WHITTET, B.Sc., Ph.D., F.P.S., F.R.I.C.

TITLES USED IN ENGLAND AND WALES.

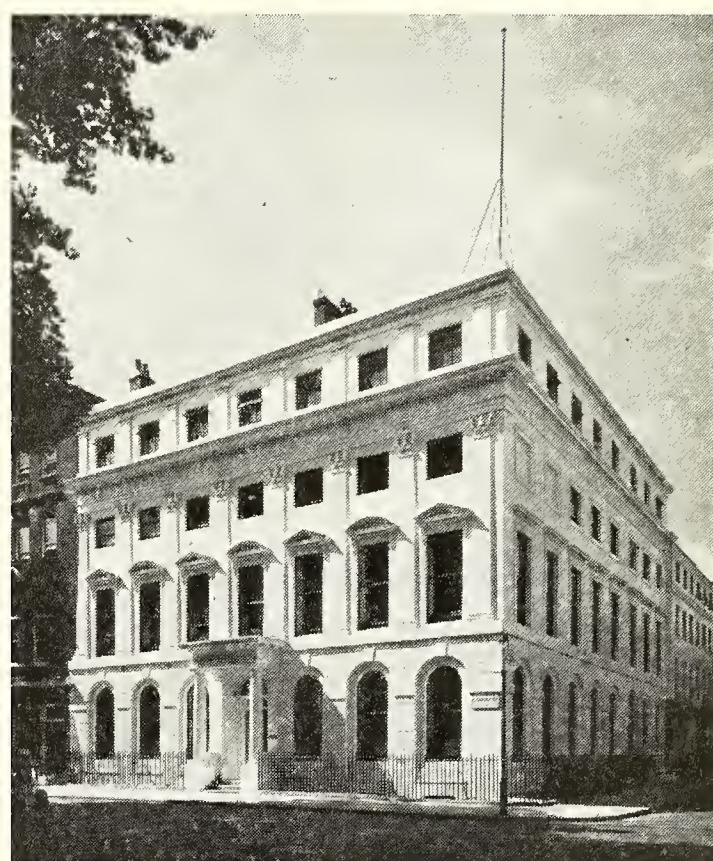
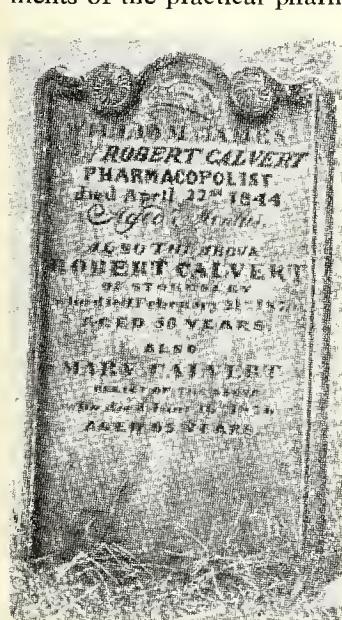
6. EMERGENCE OF THE PHARMACIST

WORDS derived from PHARMAKON have also been in use in England for several centuries. The Latin name for the Society of Apothecaries is Societas Pharmaceutica and, on the stonework above the Swan Walk gate of the Chelsea Physic Garden, is the inscription "Hortus Botanicus Societatis Pharmaceuticæ Lond. 1686." The Latin title also appears on a plaque in the Hall commemorating its rebuilding after the Great Fire.

The earliest mention of a word of this type found by the writer is that quoted in the Oxford English Dictionary (O.E.D.) from Chaucer's Knight's Tale (c. 1386) "Somme hadden salues and somme hadden charmes, Fermacys of herbes." That shows that the spelling of words from PHARMAKON with an "f" has been used in England, as is now common in several Continental countries.

Many Variants

William Sandford of Canterbury, who was granted an episcopal licence in 1687, was described as a Farmacopea. (R. S. Roberts—personal communication). In a Royal Decree of 1537 (in Latin), the Royal Apothecary (John Soda) is described as pharmacolam. Thompson (1929) states that Hugh Morgan, Apothecary to Queen Elizabeth I, and Gideon de Laune, Apothecary to Anne of Denmark when she became British Queen, both used the title PHARMACOPÆIUS. Many variants derived from pharmakon appear in the various lists of episcopal licences and other documents, e.g., PHARMACOPEO, PHARMACOPOLA, PHARMACOPOLE, PHARMACOPEUS, PHARMACOPOLIO, PHARMACOPOLIS, PHARMACOPEI, PHARMACOPEIA, PHARMACOPOLAM, PHARMACOPOLIST, PHARMACOPEIANS, PHARMACOPOLIAN, PHARMACOPOLITAN and PHARMACOPORIUM. Robert Calvert (1848-1905), a pharmaceutical chemist of Stokesley, North Yorks, used the title PHARMACOPOLIST and his pharmacy was known as the PHARMACOPOLEUM. (*Pharm. J.*, 1941). The term had been used more than 300 years previously as a title for a book of recipes known as the Kedermminster Pharmacopoleum (1630) and spelled PHARMACOPOLIUM as an apothecary or druggist's shop in 1651 and 1657 (O.E.D.). Kirkby (1941) quotes James Woolley as pleading in 1842 that the lectures suggested by Jacob Bell for members of the Society should "meet the requirements of the practical pharmacopolist."



Headquarters of the Pharmaceutical Society since 1841, now doomed to be evacuated within a few years.

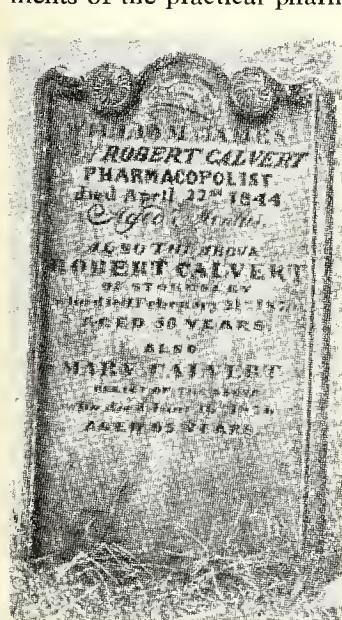
changing fashions of titles are aptly illustrated in the history of the famous firm of Allen & Hanburys, which was called APOTHECARIES from 1736 until 1766, DRUGGISTS AND CHYMISTS from 1766-67 and then DRUGGISTS AND CHEMISTS (Hall, 1953). Apothecaries remained in charge of many hospital pharmacies until about 1860.

For many years there were two qualifications of the Pharmaceutical Society: the Chemist and Druggist and the Pharmaceutical Chemist. The term PHARMACEUTIST could be used only by those with the higher qualification. It had, however, been frequently used earlier by Good (1796). The name was favoured by some pharmacists before the 1939-45 war and is still the official title of the head of the pharmaceutical department of some hospitals. Herbert Skinner, the only hospital pharmacist to be both president of the Pharmaceutical Society and chairman of the British Pharmaceutical Conference, used it exclusively. It never became popular and is now seldom used.

Known to the Public as . . .

The general public in Great Britain almost always use the title CHEMIST for the pharmacist and CHEMIST'S SHOP for the pharmacy. Some pharmacists use the title CHEMIST but call their premises a PHARMACY, and the title DISPENSING CHEMIST is in common use. In the interim period between apothecaries and pharmacists being in charge of hospital pharmacies the terms DISPENSER and DISPENSARY were used. Those titles are not yet extinct, especially in some smaller and old-fashioned hospitals. The title DISPENSER is apparently quite an old one, for Thomas Dispenser was a witness to a deed in York in about 1211, and Alexander the Dispenser and Gamel the Dispenser appear in York Deeds in the same century (York Records, 1930). Although, in the

Tombstone of Robert Calvert (d. 1814) proving the use of the term "pharmacopolist."



Tombstone of Robert Calvert (d. 1814) proving the use of the term "pharmacopolist."

The earliest mention of the word pharmacist the writer has found is the granting of an episcopal licence to a pharmacist, Giles Wood of Exeter, in 1663. William Pitfield, described as pharmacopeus, also of Exeter, was granted a licence in 1693. He was elsewhere described as apothecary and pharmacist (Roberts—personal communication). The interchangeability of the terms appears to show that less distinction was made between apothecary, chemist, druggist and pharmacist than has been generally believed.

The title pharmacist was obviously used on numerous occasions long before the foundation of the Pharmaceutical Society. The

index to the York Records, those persons are classified with the apothecaries, there is no evidence of their connection with pharmacy. Clay (1909), however, mentioned that Gamel de Firmaria was an officer of the hospital of St. Leonard's, York, in 1276. Could it be that among his duties in the infirmary was the dispensing of medicines? The title DISPENSER should, however, never be used for a pharmacist, since it may freely be used by the unqualified, and places a distorted emphasis on only one facet of pharmacy. The title DISPENSARY is best avoided for similar reasons. It may be replaced by the shorter and more appropriate title of PHARMACY.

The use of CHEMIST by the public to describe a pharmacist leads to confusion between those engaged in pharmacy and in other branches of chemistry. The decision of the Pharmaceutical Society to have only one qualifying examination, and to allow the use of the title PHARMACEUTICAL CHEMIST to all on the register will help to eliminate that confusion. The use of this title should be encouraged. The title CHEMIST, referring to the preparation and sale of drugs and medicines, is legally restricted to registered pharmacists, but it may be used by graduates in chemistry and members of the Royal Institute of Chemistry, etc., in connection with other branches of chemistry. The title druggist is also restricted to pharmacists but not the term "drug store."

Thompson (1929) states that the first appointment of a Royal Chymist was probably that of Mr. Townshend who, in 1686, was gazetted Chymist to the King, but Bloom and James (1935) quote an order of Charles I in 1660 appointing John Choke as "chymist in ordinary to his majesty." Thompson himself mentions that Thomas Williams was made "Chemical Physician to the King" in 1660, and was said in the Royal Warrant to have shown extraordinary power and skill in inventing medicines, some in the Royal presence. He is probably the vendor of plague remedies mentioned earlier in this paper.

Many chemists have held the Royal Warrant since then (THE CHEMIST AND DRUGGIST, 1951). The anointing oil for the Coronation of Her Majesty Queen Elizabeth II was made by Savory & Moore, Ltd., one of the pharmaceutical firms now holding a Royal Warrant. (*Pharm. J.*, 1953) (Dopson, 1953). The course of events in Wales appears to have followed that in England quite closely. There are numerous references to individual apothecaries in Wales but, so far, none found by the writer to the existence of any guilds. The Welsh spelling for apothecary is apothecari. The word for pharmacist is fferyllydd, and for druggist cyfferiowd (Spurrell, 1922). There are pharmacies called Apothecaries' Hall at Denbigh and Holyhead. The title Medical Hall is popular in Wales, there being over thirty pharmacies with that name.

ONWARD FROM GALEN

SIDELINES OF CURRENT COMMENT

★ BETWEEN TWO CONFERENCES ★

THE American Pharmaceutical Association had the happy idea of organising a European tour and study mission to fill in the time between its own 111th annual meeting at New York City, August 2-7, and the twentieth assembly of the International Pharmaceutical Federation at Amsterdam, September 7-12. In a packed programme that takes in London, Copenhagen, Bergen, Oslo, Stockholm, Helsinki, Leningrad, Moscow, Warsaw, Prague, Paris and Brussels, the tourists found time to accept an invitation to a cocktail party at the Pharmaceutical Society's headquarters and to inspect the premises. They were welcomed by the president (Mr. C. W. Maplethorpe), and met other members of Council and other pharmacists, some of whom will be renewing acquaintance at Amsterdam. The party of thirty-five could not, of course, include representatives of all the fifty States of the Union, but certainly seemed to attract members from North, South, East and West—from New York and Los Angeles, from the State of Oregon and the State of Georgia, from Chicago, Detroit, Ohio and Washington, from Kalamazoo and Concord and Cicero and—yes—from Far Rockaway, N.Y. Perhaps some enterprising travel agent in Britain may see possibilities in organising a British tour to a national or international pharmaceutical assembly in Tokio or Melbourne or Vancouver or wherever.

★ FORCED TO CLOSE ★

ECONOMIC forces are at work, as the recent so-called manpower report of the Pharmaceutical Society (see *C. & D.*, August 8, p. 120) spotlighted, compelling the closing-down of many pharmacies for want of purchasers. It seems doubly sad, therefore, to hear of a pharmacist being forced out of a profitable business by fortuitous events reflecting neither changes in the economy nor any failure on his part to take advantage of the trading opportunities open to him. Such a fate has overtaken Mr. H. A. O. How, M.P.S., Aylesbury, Bucks, whose flourishing Market Square pharmacy in that town, conducted under the style T. M. Ashford, had abruptly to put up the shutters on August 8 (see *C. & D.*, August 15, p. 142) after a record of 147 years. When Mr. How took over nine years ago the pharmacy was on the opposite side of the Square, close to the Bull's Head hotel, and strategically placed for attracting customers. Three years ago

the owners of adjoining premises started demolishing them with the intention of rebuilding. The borough council decided that the demolition had made Ashford's premises unsafe and ordered that they, too, must be demolished. Overnight Mr. How was faced with the problem of moving all his stock to another shop. He was fortunate, certainly, in obtaining a lease on a former restaurant on the other side of the Market Square and reopened there. The first result was a big drop in trade, but that was followed by a partial recovery. But now the local Council is taking over all properties in that section of the Square for a first phase in town centre redevelopment. So Mr. How has been left with no alternative but to close. Business premises of any sort are at a premium in Buckinghamshire's county town, which now has only five pharmacies to serve its 25,000 population, swollen on market days by a large influx from the surrounding countryside.

★ PROUD RECORD ★

FOUR owners in 130 years is a remarkable record for any pharmacy. It applies to the business of Arthur Weddell, Ltd., 105 High Street, Colchester, which discontinued National Health Service dispensing on July 31 and closes down completely on August 31. Originally opened by the dispenser to the then Essex and Colchester hospital, Mr. Frederic W. Manthorp, the business was bought by Mr. Arthur Weddell from the Manthorp family in 1881 and owned by him until his death in 1925. Mr. Weddell's widow formed it into a limited company and continued it until her death in 1944, when it passed to an ex-apprentice of the pharmacy, Mr. W. H. Whyte, M.P.S., who has been the controlling director ever since. Indeed, except for a year at the Westminster College of Pharmacy before qualifying, Mr. Whyte has been associated with the business since 1919. He has been prominent in the pharmaceutical affairs in "Britain's oldest recorded city." Since 1940 he has been secretary of the local branch of the Pharmaceutical Society—itself one of the most venerable branches, since it was formed only a year after the Society itself—and was chairman of the branch in 1962. He was for fifteen years secretary also of the Colchester Branch of the National Pharmaceutical Union, and represented the city on the Essex Pharmaceutical Committee from 1944; he was its chairman, 1957-60.

Half a Century of Pharmacy in a Northern Town

STORY OF THE LANCASTER PHARMACEUTICAL ASSOCIATION

ANDREW MEDCALFE

THE historical evidence of the development of modern pharmaceutical organisation in Lancashire begins in the year 1877 with a letter from which it is clear that some sort of organisation existed even before that date. The letter runs:—

Dear Mr. Bagnall,

After consultation with most of the local chemists, I have been requested to write to you as local secretary of the Pharmaceutical Society to ask you to convene a meeting at an early date in order to discuss several important matters affecting the whole profession.

Yours truly,
JAMES VINCE.

The meeting was held in the Assembly Rooms, King Street (now the Employment Exchange) on Thursday, May 8. Chemists present were Messrs. Whimfray, Market Street; Hall, Skerton; Parker, Cardwell, Arkle, Vince, and Bagnall, New Street. Mr. Whimfray was appointed *Chairman* and the meeting discussed the supply of drugs to the Infirmary. No decision was reached on the matter, but it was decided to hold further meetings at monthly intervals. The meetings were continued until the December of that year, among the items discussed being the inclusion of the Morecambe and Carnforth chemists as members, agreement on a scale of dispensing prices, a 7 p.m. closing hour on weekdays (8 p.m. on Saturdays) and the award of prizes to apprentices attending the Lancaster Science School. Other chemists who attended the meetings during that period were Messrs. Battersby, Birkett, Troughton and R. Birkett.

There followed a break in the meetings until October 1878, when a meeting was held to consider a dispute regarding the prizes mentioned above. In November a matter still topical claimed the attention of the members, namely, "What steps should be taken to stop grocers selling 'patent' medicines at cut prices?" The culprit was a Mr. Mossop, Stonewell, and various suggestions were made as to means of dealing with the problem. They ranged from buying his premises to setting up a group-owned shop near to him in Moor Lane to sell groceries at cut prices. Nothing came of that scheme, but the question of prices dominated the six meetings held during 1879, and in November of that year it was decided that prices of "patent" medicines should be reduced from 1s. 1½d., 2s. 9d. and 4s. 6d. to 10½d., 2s. 3d. and 3s. 6d.

Decisions on Prices

The minute book tells nothing of activities in the 1880's but in 1892 "patent" medicine prices again cropped up, as well as many new names. A meeting on June 23 (adjourned until June 30) dealt with stamped medicines containing poisons, a decision arrived at being that they should be sold at 1s. and 2s. 6d. Items mentioned were Collis Browne's, Fowle's, and Teasdale's chlorodynes and Winslow's and Fellow's syrups. Consideration was also given to the matter of sending reports to the Pharmaceutical Society of sales of poisons by unregistered persons. 1892 was quite a busy year, for at the November meeting a set of Branch rules was adopted and a decision taken to adopt a revised list of dispensing charges, a price list of poisonous drugs and chemicals, and revised prices for "rarer patents."

Only one meeting was held in 1893, but it contained the first reference to a social activity: a suggested supper at the Kings Arms hotel. There is no record that the event actually took place. Another new member is mentioned, a

Mr. Macdonald. In 1895 members *combined* to publish advertisements of prices in the three local papers.

The last recorded meeting of the nineteenth century was on January 18, 1898, when it was decided that future meetings should be held in January, April, July and October of each year, though in fact no further meeting is recorded until March 1900. The 1898 meeting makes the first reference to "multiple" pharmacy in a resolution that nothing should be supplied by members to Messrs. Boots.

The 1900 meetings all dealt with attempts to amend the Companies Act. Seven more years passed unrecorded, but a meeting in October 1907 decided to revive the Association. That was formally carried out and a new set of rules adopted, at a special meeting on December 3, 1907.

First Social Function

New ground was again broken in 1908 with the holding of a social function: a dinner at the Kings Arms hotel on January 22, 1908, at which twenty members and guests were present. The cost was 3s. per head, and it would appear to have been an all-male affair. The menus were in pharmaceutical Latin, and the function appears to have been organised by a Mr. Jackson. The annual meeting was held on March 3, and for the first time the Proprietary Articles Trade Association is mentioned, Mr. Bate being appointed its local secretary. Discussion at that meeting was mainly about the Poisons and Pharmacy Bill, which was again debated at length at a special meeting on April 14. A note dated May 1908 gives a full list of chemists in business in the area at that time.

A minute of 1908 gives details of the arrangements for a trip to Windermere, but whether it took place is not recorded. There were many further meetings in 1908, all dealing with the Pharmacy Bill and the P.A.T.A. Sir Norval Helme, M.P., received many letters and several deputations, and the name of Glyn Jones is often mentioned. During the year the Association also became affiliated to the National Chamber of Trade.

The 1909 dinner, held on January 27, was graced by the presence of the mayor. The occasion appears to have had an unfortunate aftermath, there having been some mix-up regarding tips for the waiters. A committee meeting was held especially to discuss the point, and the minutes concluded with the remark that "On another occasion the question of tips will require careful prearranging."

The next year was again spent mainly in dealing with the Pharmacy Bill and P.A.T.A. matters. A letter from the retail prices department of Boots, Ltd., suggested that the P.A.T.A. local secretary should try to arrange for an increase of prices amongst local chemists. If they all agreed, Messrs. Boots would be willing to fall into line. There is acrimonious correspondence regarding the granting of licences to sell poisons to unqualified traders (seedsmen, etc.) and the Pharmaceutical Society comes in for bitter criticism on the whole question of the Pharmacy Bill.

In 1910 the local chamber of trade was founded, entirely through efforts of the chemists. In the final meeting of the year (December 9) Mr. Gorst discussed the advantages of co-operative buying of "patent" medicines, suggesting that each shop should buy certain lines in bulk and divide the parcel with the other pharmacists.

The 1910 dinner was notably successful, with forty-seven present. Also in 1910 comes first mention of a member of Council addressing a meeting. He was a Mr. Chater, his

subject the one that later became a national perennial: "Current Pharmaceutical Topics." It was followed by a mass visit to the Grand Theatre.

Too Long a Speech

To the 1911 dinner the Society sent an official representative, who apparently disgraced himself by making a long speech, for a terse comment is made by the local secretary that "the fewer and shorter the toasts, the better."

A special general meeting on February 21, 1911, discussed the new examination regulations. Mr. Parker, who opened the discussion, thought the game was not worth the candle. To start a business cost £3-400 and one was only able to make £150 a year—"as much as a working tradesman." Several more meetings in 1911 all dealt with the National Health Insurance Bill, for which little enthusiasm seems to have been shown. In 1911 there were thirteen chemists' shops in Lancaster (the same as today). The annual meeting, held in Morecambe, was the first outside Lancaster.

N.H.I. matters were the main preoccupation in 1912 and a list is given of six chemists who decided not to provide dispensing services under its provisions. As early as the beginning of 1913 the "mile limit" was causing trouble.

A meeting held early in 1913 again brought up the question of group buying, but the meeting still dealt mainly with National Health Insurance matters. Mention is made of increased dispensing fees, hours of service, fees for urgent prescriptions, the use of distilled water in mixtures, stock mixtures, etc. October 1913 saw the death at the age of ninety-seven years of Mr. Allbright, a pharmacist and Lancaster's oldest resident. Mr. Allbright's pharmacy appears to have been the first shop to sell paraffin oil for lighting purposes.

The 1914 annual meeting considered some form of registration for assistants, an idea that was apparently not favourably received.

Most members agreed in 1915 to take on National Health Insurance dispensing, and a minute shows that most chemists were then selling tr. opii., B.P. 1898, when asked for laudanum although the Pharmaceutical Society, Chemists' Defence Association and General Medical Council had all expressed the wish that tr. opii., B.P. 1914, should be supplied.

The 1916 Drug Tariff terms had been argued by the authorities to result in a reduction of only 4 per cent. in chemists' remuneration, but were proved by the chemists to show an actual reduction of 17 per cent. They caused such resentment in Lancaster that, with the exception of Boots, Ltd., all chemists refused to sign contracts for 1916. Drug Tariff prices could not have been reviewed during the year, and owing to war conditions prices were rising steadily. Eventually the Lancashire Insurance Committee persuaded Messrs. Aked and Cuthberts to withdraw their resignations, and the other chemists followed suit. The Insurance Committee also took the unusual step of agreeing that no other chemists in Lancaster should be offered a contract for a period of two years. The Scottish chemists, who also objected violently to the 1916 terms, showed such determined opposition that they were granted better rates than those accepted by England and Wales except Lancaster.

For some unknown reason, no further mention occurs of discussions on National Health Insurance matters, though mention is made in 1917 that there was some chance of receiving an additional 2 per cent. for 1913.

In 1918 "Schedule 4" appears as a small cloud on the horizon in the shape of an Order concerning the sale of derivatives of barbituric acid. A further meeting in November 1918 was addressed by Mr. F. Pilkington Sargent, Leeds (a member of Council), who was greatly in favour of the Council being elected on a territorial basis.

The annual dinner was revived in 1919. It would appear that the Pharmaceutical Society was then not in favour locally, since it was decided not to invite any member of Council, and not to include the Society in the toast list. Mr.

Troughton was president in that year, and the mayor of Lancaster was a Mr. William Briggs, chemist and druggist. Doctor Aitken, who replied to the toast "The Medical Profession," mentions chemists as leaving the Panel list, and his remarks suggest that they were still not doing National Health Insurance dispensing.

At the annual meeting of 1920 a Mr. Hines, York, spoke forcibly in favour of forming the R.P.U. (now N.P.U.). 1920 provides also the first reference to a lecture sponsored by a manufacturer (Dr. White of Parke Davis & Co.), but there is no record that it took place, though there is evidence that Dr. White addressed the Association early in 1923 on "Biological Products." In 1921, it would appear that a branch of the Retail Pharmacists' Union was formed, taking over matters related to the P.A.T.A. and private dispensing charges. The annual meeting of 1921 was addressed by Mr. Hines (his second visit), and many parts of his talk would be quite topical today. First mention of the Dangerous Drugs Act comes in his speech.

Last Days

In 1922 the old local Association was clearly coming to an end. The R.P.U. branch was functioning well, and there was talk of reorganising the Branches of the Society (the inaugural meeting of the Pharmaceutical Society Branch was apparently held in Kendal). The annual meeting of 1923 appears to have seen the end of the Association, there being a formal resolution by Mr. Simpson that it should be wound up. The motion was put to the meeting, but it was adjourned for twelve months and the interval apparently became four years, as the next reference is in 1927, when, "at the desire of several members of the Association, advantage was taken of the meeting of the local branch of the R.P.U. to hold a general meeting of the Lancaster and District Pharmacists' Association." At that meeting it was proposed by the president (Mr. T. Simpson), seconded by the secretary (Mr. J. B. Shattock) and carried unanimously "That the Lancaster and District Pharmacists' Association be wound up and that the remaining funds be handed over to the treasurer of the Retail Pharmacists' Union local branch, and that the records be preserved by the secretary of that body."

If the story of half a century of pharmacy in a small Northern town does contain a moral, surely it is that "for pharmacy, nothing ever changes."

NEW BOOKS

Pharmaceutical Microbiology

M. HARRIS, *Baillière, Tindall & Cox, Ltd.*, 7 Henrietta Street, London, W.C.2. 8½ x 5½ in. Pp. vii + 269. 37s. 6d.

THE author, who is an examiner in pharmaceutics to the Pharmaceutical Society of Great Britain, states in his preface that his book is intended "to meet the specific needs of the pharmacy student now that his study of microbiology is being expanded." The book is divided into two parts, basic microbiology and applied microbiology. The first part is mainly concerned with bacteriology, commencing with a chapter on the morphology, structure and function of bacteria. A description of microscopical staining methods and classification of bacteria is followed by a chapter on culture media. Other chapters discuss the growth of bacteria, bacterial counts, and methods of identification. A short chapter entitled "Introduction to Fungi, Protozoa and Viruses," completes the section. The first part of the chapter (covering fungi and protozoa) appears to have been included more for the sake of completeness than for the instruction of advanced students. Part II of the book discusses infection and body defence mechanisms, the use of vaccines and antisera, chemotherapy with antibiotics and sulphonamides and disinfection. Methods of sterilisation and aseptic techniques are described and the book concludes with a chapter on the chemistry of bacteria. The author emphasises the need for practical work and throughout the book gives details of manipulative techniques. The book is well produced and indexed.

HOLIDAYS IN BARBADOS COMPETITION



As entries for this exciting competition pour in, chemists everywhere are enjoying their most profitable season for 'SAXIN' sales. The greatest-ever advertising on TV and in newspapers and magazines confirms the claim that 'SAXIN' is your number one profit maker in the market of aids to slimming.

Keep the new 'SAXIN' customers won during the summer by continuing to stock, display and sell 'SAXIN'. Remember to prominently display the 'SAXIN' Competition Showcard and entry forms—there's only one week left to go. Remember also, you have the support of considerably increased all-the-year-round advertising for 'SAXIN'—"a chemists only" product.



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'SAXIN'
SALES**



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New retail price: 1/10



All orders received up to
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OF THIS EXTRA PROFIT !**

Prescribers' Press

What doctors are reading about developments in drugs and treatments

HEPATIC dysfunction, as judged by serum transaminase levels, has been shown by Finnish workers to result from treating menopausal women with an oral contraceptive (Lyndiol). The seven subjects in the trial all gave that indication when treated with the drug for twenty-eight days. The progestogen component (lynestrenol) was found without effect when given alone to two subjects, but one of three subjects given the oestrogen (mestranol) alone showed signs of hepatic injury. (*B.M.J.*, August 15, p. 426.)

A CONTROLLED, double-blind comparison of chlormethiazole (Heminevrin) and a placebo in the management of the withdrawal period in alcoholics is briefly reported in a letter from workers at St. Bernard's Hospital, Southall, Middlesex. They found a statistically significant difference between the effects of the drug and placebo. (*B.M.J.*, August 15, p. 445.)

DETAILS of drugs and treatments being given to a patient are the most impor-

tant (and most frequently omitted) information that should be included in a practitioner's letter to a consultant, according to a survey of consultants' opinions. Second commonest fault in such letters is illegibility. (*B.M.J.*, August 15, p. 435.)

Vaccination in Infancy

ABSTRACT

THE present number of six clinic visits for immunising infants could be reduced to three by concurrent administration of poliomyelitis vaccine and combined diphtheria, tetanus and pertussis vaccine (triple vaccine) according to studies carried out (*Brit. med. J.*, 1964, II, 418) on children vaccinated at University College Hospital, London, Swindon Public Health Department and at Salomon's Centre, Guy's Hospital, London. In study I, to assess the efficacy of poliomyelitis trivalent vaccine, one group of children was vaccinated with three doses of $10^{5.5}$ TCD₅₀ (50 per cent. tissue-culture cyto-

pathogenic dose) of each virus type. Owing to a change in the Ministry of Health recommended schedule, a second group received three doses of vaccine each consisting of $10^{5.7}$ type 1, 10^5 type 2, and $10^{5.5}$ type 3. Triple vaccine was administered concurrently. It was found that, in both groups, most infants possessed antibody to one or more virus types before vaccination. The majority of these showed a raised antibody titre after vaccination. In group A seventeen infants had no type 1 antibody before vaccination, fifteen had antibody afterwards. All infants in group B who had no type 1 antibody and all infants in both groups with no antibody to types 2 and 3 had the appropriate antibody after vaccination. In the second study reported the infants were divided into three groups, the first of which received one dose of the vaccine for the revised schedule, the second, two doses and the third three doses. One dose was found to be ineffective for immunisation against types 1 and 3 and where no pre-vaccination antibody was present three doses were preferable. Either two or three doses were effective against all three types where antibody was originally absent. There was some indication that in the presence of type 1 antibody three doses were better than two. From the results of this and other studies the authors consider that two oral doses of poliomyelitis vaccine will give adequate protection when administered to older children and adults.



A GREATER TURNOVER, BIGGER STOCKS ACCOMMODATED AND DISPLAYED, YET MORE SPACE FOR CUSTOMERS: When Bradley & Bliss, Ltd., and Church & Co. (Fittings), Ltd., jointly introduced a shop planning service in 1963, based on standard unit merchandising equipment, Comyns the Chemists, Sandhurst, Berks, were one of the first to make inquiries. For a number of reasons the business had outgrown the premises. At times customers were queuing for the attention of the over-worked staff. To avoid inconvenience to customers the new Honok units were installed one at a time by the pharmacy staff, assisted in the initial stages by one of the manufacturer's representatives. The change has proved most successful.

TRADE REPORT

The prices given are those obtained by importers, or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, AUGUST 19: Markets during August are invariably quiet and the present one is no exception. Price trends over the past months have been maintained although some commodities which showed a more than normal gain earlier now display some weakness either because new crops are coming along or through buyers' resistance.

Brazilian MENTHOL was lower by three pence per lb. for shipment and by sixpence in bond. QUILLAIA fell 10s. per cwt. both spot and forward. Firmer among AROMATIC SEEDS were Moroccan CORIANDER and CUMIN, but Indian CELERY was down 10s. per cwt. for shipment. LANOLIN was three-halfpence per lb. dearer for the ANHYDROUS. A report from Tuticorin mentions that Tinnevelly SENNA PODS have fallen in price but that LEAVES were unchanged. Shipments from the port during July were as follows:

	U.K.	U.S.	EUROPE
SENNA	tons	tons	tons
LEAVES	8	122*	192
PODS	8	16	279

* Half of which for Buenos Aires.

The price of SAFFRON continued its upward trend. Costa Rican IPECACUANHA was one shilling per lb. lower for shipment and Chinese STAR ANISE, 10s. per cwt. less for duty paid material. SPICES showed little change on the week.

In ESSENTIAL OILS Chinese and Formosan CITRONELLAS were both markedly dearer. The unsettled situation in Indonesia caused East Indian SANDALWOOD to rise by 4s. per lb. for shipment making it dearer than spot Mysore. SPEARMINT was firmer following the reports of the lower acreage employed this year for crops.

The continued shortage of COCHINEAL forced makers of CARMINE to raise their prices by another 14s. per lb. ZINC OXIDE was reduced by £7 ton on August 17. PREDNISONE and PREDNISOLONE were slightly lower.

Pharmaceutical Chemicals

AMIDOPYRIN.—Per lb. 16s. 8d. for 5-cwt. lots; 1-cwt., 17s. 5d.

AMYLOBARBITONE.—B.P.C. is 74s. per kilo for less than 25-kilo lots. SODIUM is 10s. per kilo more.

ATROPINE.—Per oz. for 16-oz. lots: ALKALOID and METHONITRATE, 39s.; METHYLBROMIDE, 38s. 6d.; SULPHATE, 34s. (1,181s. for 1-kilo).

BARBITONE.—SODIUM derivative is 58s. 3d. per kilo for less than 25-kilo lots.

BORAX.—B.P. grade, 1 ton and upwards: Granular, £54 10s.; crystals, £58; powder, £59; extra fine powder, £60 per ton, all in hessian sacks. Less £1 for paper bags. Commercial from £44 10s. to £51 per ton as to type and packing. Anhydrous borax is £60 per ton in hessian bags or £59 in paper bags; carriage paid in Great Britain. Surcharges for small quantities: Less than 1 ton but not less than 10 cwt., 2s. per cwt.; 5 to 9 cwt., 4s.; 1 to 4 cwt., 8s.

BORIC ACID.—B.P. grade in 1 ton and upwards (per ton): Granular, £84; crystals, £97; powder, £90 10s.; extra-fine powder, £92 10s. per ton in lined hessian bags, carriage paid in Great Britain. Less £1 per ton if supplied in paper bags. Technical from £70 to £80 10s. per ton according to type and packing.

BRUCINE.—In 1,000-oz. lots, ALKALOID is 16s. per oz. and SULPHATE, 13s. 6d. per oz.

BUTOBARBITONE.—B.P.C., 80s. per kilo for 25-kilo lots and over.

CANTHARIDIN.—Per oz. 222s. 6d. for 4-oz. lots.

CARMINE.—One-cwt. lots are now 184s. per lb.

CHALK.—Prepared powder B.P., £22 per ton for minimum 1-ton ex works.

CHINIOFON.—B.P. 1948, 58s. per kilo; CHINIOFONIC ACID, 83s. 9d. per kilo.

CHLORAL HYDRATE.—One-cwt. lots 4s. 1d. per lb.

CHLOROCRESOL.—Pharmaceutical quality, 7s. 7d. per lb. (1-cwt. lots).

CHLOROFORM.—35-litre lots in winches, B.P., 11s. 5½d. per litre; in drums, 10s. 7d.; 175-litre lots, 11s. and 10s. 1½d.

COCAINE.—35-oz. lots HYDROCHLORIDE, 105s. per oz.: ALKALOID, 115s. per oz. Subject to D.D.A. Regulations.

CYCLOBARBITONE.—Under 25 kilos: B.P., 73s. per kilo. CALCIUM, 80s. per kilo.

ERGOMETRINE.—MALEATE, B.P., 144s. per gm. for 20-gm. lots; TARTRATE, 27s. 6d. per gm. for 10-gm. lots.

ERGOTOXINE.—ETHANESULPHONATE, 10-gm. lots, B.P. '32, 60s. per gm. B.P.C. '49, 72s. 6d.

GUAIACOLS.—LIQUID B.P.C., 16s. per lb., for 1-cwt. lots; CRYSTALS, 15s. 9d.; CARBONATE, 18s.

HEXAMINE.—B.P., 1s. 6d. per lb. for 1-ton lots, delivered in 1-cwt. bags. Technical is 1s. 5d. per lb.

HEXAMINE MANDELATE.—50-kilo lots, 28s. 6d. per kilo; 1,000 kilos, 25s.

HEXOBARBITONE.—25-kilo lots or over, 115s. per kilo.

HOMATROPINE.—16-oz. lots (per oz.): ALKALOID, 30s. 6d.; HYDROBROMIDE, 24s. 6d.; HYDROCHLORIDE, 28s. 6d.; METHYLBROMIDE, 25s. 6d. 1-oz. rates are 18s. 6d. per oz. above those rates.

HYOSCINE HYDROBROMIDE.—Per oz. 102s. and per kilo, 3,419s.

METHYL PHENOBARBITONE.—B.P.C., 78s. per kilo for less than 25-kilo lots.

NARCOTINE.—ALKALOID and HYDROCHLORIDE, 12s. 6d. per oz. (440s. 6d. kilo) for under 35-oz. lots.

OPIATES.—Home trade prices (per kilo) subject to D.D.A. Regulations:—

	1 Kilo and over		Under 1 Kilo	
	s.	d.	s.	d.
CODEINE	1,903	0	1,939	0
ALKALOID	...	...	1,665	0
HYDROCHLORIDE	...	...	1,701	0
PHOSPHATE	...	...	1,445	0
SULPHATE	...	...	1,665	0
MORPHINE			1,701	0
ACETATE	...	...	1,762	0
ALKALOID	...	...	2,159	0
HYDROCHLORIDE	...	...	1,762	0
SULPHATE	...	...	1,762	0
TARTRATE	...	...	2,115	0
ETHYLMORPHINE			2,150	0
ALKALOID	...	...	2,229	0
HYDROCHLORIDE	...	...	1,903	0
DIAMORPHINE			2,265	0
ALKALOID	...	...	2,106	0
HYDROCHLORIDE	...	...	1,930	0

Containers below 1-kilo charged 1s. 6d. per container.

OLEIC ACID.—B.P. grade, £186 10s. per ton. Small lots, 22s. 8d. per gall.

PENTOBARBITONE.—25-kilo lots and over are 107s. 6d. per kilo.

PETHIDINE HYDROCHLORIDE.—Subject to D.D.A. Regulations, 5-kilo lots, 300s. per kilo.

PHENOBARBITONE.—Spot rates 50-kilo lots, 47s. 6d. per kilo; less than 25-kilos, 50s. 6d. SODIUM SALT, 55s. 6d. per kilo for less than 25-kilo lots.

PHOLCODINE.—8-oz. lots, 95s. 9d. per oz. (3,375s. per kilo).

PHTHALYL SULPHATHIAZOLE.—Five-kilo lots, 31s. per kilo.

PREDNISOLONE.—Alcohol and ACETATE from 7s. 6d. per gm.

PREDNISONE.—One-kilo lots, ALCOHOL and ACETATE, 7s. 3d. per gm.

QUINALBARBITONE.—Sodium salt is 110s. per kilo for 25-kilos and over.

QUINIDINE.—SULPHATE is now 745s. 2d. per 100-oz. for lots of 500-oz. and over; less than 500-oz. are 765s. 4d. per 100-oz.

QUININE.—1,000-oz. lots:—ALKALOID, 4s. 7d. per oz.; SULPHATE, B.P. 1963, 3s. 6d.; BISULPHATE, 3s. 5d.; DIHYDROCHLORIDE, 5s.; HYDROBROMIDE, 4s. 4½d.

STRYCHNINE.—100-oz. lots; ALKALOID, 12s. per oz.; SULPHATE and HYDROCHLORIDE, 10s. 6d.

SUCCINYL SULPHATHIAZOLE.—Five-kilo lots, 38s. 6d. per kilo.

SULPHACETAMIDE.—50-kilo lots, 54s. per kilo; SODIUM, 66s. 2d.

SULPHADIAZINE.—Five-kilo lots, 65s. per kilo; 50-kilo lots, 60s.

SULPHADIMIDINE.—50-kilo lots are 60s. per kilo.

SULPHAGUANIDINE.—100-kilo lots, about 19s. 6d. per kilo.

SULPHAMETHIZOLE.—Per kilo—5-kilo lots, 100s.; 50-kilos, 95s.

SULPHANILAMIDE.—50-kilo lots, 13s. 1d. per kilo.

SULPHAPYRIDINE.—Five-kilo lots, 120s. per kilo; 50 kilos, 33s.

SULPHUR.—(Per ton). SUBLIMED FLOWERS, B.P., £55; TECHNICAL, £50; GROUND, £18 to £20; PRECIPITATED, B.P., £105; ROLL, £27 10s. All ex store.

TALC.—One-ton lots, B.P.C. in kegs, 1s. 2d. per lb.

THEOPHYLLINE.—12½-kilo lots; ALKALOID ANHYDROUS, 32s. 3d. per kilo and B.P., 33s. 3d.; AMINOPHYLLINE, 29s. per kilo, 12½ kilos, 31s. per kilo.

THIOLYCOLIC ACID.—Basic rates per lb., 97-98 per cent., 26-lb. packs, 15s.; 75 per cent., 11s. 6d. AMMONIUM THIOLYCOLIC, 40 per cent. pH 9.3 (24-lb. packs), 6s. 8d.; MONOETHANOLAMINE THIOLYCOLIC, pH 9.9, 4 per cent., 9s. 10d. All carriage paid United Kingdom and subject to purchase tax.

d-TUBOCURARINE CHLORIDE.—100-gm. lots, 60s. per gm.

UREA.—Pharmaceutical grade, £59 15s. per ton in 1-cwt. bags non-returnable; technical quality, £41 5s. per ton (4-ton lots).

ZINC CARBONATE.—One-cwt. lots, 2s. 0½d. per lb.; 1-ton, 1s. 9d.

ZINC CHLORIDE.—B.P.C. 1954, cake, 15s. 8d. per kilo; sticks, 17s. 3d.

ZINC OXIDE.—Two-ton lots, B.P. grade, are now £146 per ton; 1 ton, £147.

ZINC PEROXIDE.—One-cwt. lots of B.P. 5s. 3d. per lb.

ZINC SULPHATE.—B.P., 50 kilos. 3s. 6½d. per kilo.

Crude Drugs

AGAR. — Kobé No. 1, 12s. 6d. per lb. in bond; August-September shipment, 12s. 3d., c.i.f. Spanish, 15s., duty paid, to arrive.

ALOES. — Primes, 25s. per cwt. spot. Shipment, 250s., c.i.f. nominal. Caraçao, spot, 270s.

ANISE. — Chinese STAR, 140s. per cwt. spot, duty paid; f.a.q. for shipment, 112s. 6d., c.i.f.

BALSAMS. — Per lb.: CANADA: Spot 19s. to 23s. 6d. COPAIBA: B.P.C. grade, 10s. PERU: Spot, 9s. 3d. TOLU: B.P., from 11s. to 30s.

BELLADONNA. — HERB, 3s. per lb. ROOT, 1s. 8d. per lb.

BENZOIN. — Sumatra block spot from £20 to £35 per cwt. as to quality. B.P.C. quality is scarce.

BUCHU. — Spot value, 4s. 9d. per lb.; shipment, 4s., c.i.f.

CALAMUS. — Root, 100s. per cwt., spot, 87s. 6d., c.i.f.

CAMPHOR. — B.P. powder spot, 5s. 8d. in bond; shipment, 5s. 4d. per lb., c.i.f.

CARDAMOMS. — Aleppy greens, 10s. per lb. spot; shipment, from 9s. 6d. to 10s. 8d., c.i.f., as to quality.

CHERRY BARK. — Thin natural, 1s. 9d. per lb.; shipment, 1s. 7½d., c.i.f.

CHILLIES. — Zanzibar, 240s. per cwt. spot; shipment, new crop, 215s., c.i.f. Mombasa spot, 170s.; shipment, 140s., c.i.f.

CLOVES. — Zanzibar spot 2s. 10½d. per lb. standard grade; shipment, 2s. 7d., c.i.f.

COCHINEAL. — Canary Isles silver-grey 22s. 6d. per lb., black brilliant, 30s., spot nominal. Peruvian silver-grey, 15s. 6d. per lb., spot.

COCILLANA. — Bark 1s. 8d. per lb. on the spot.

COLOCYNTH PULP. — No offers spot or forward.

DIGITALIS. — *Purpurea* leaves, 2s. 6d. per lb.

ELEMI. — Spot, 1s. 11d. per lb.; shipment: new crop, September-October, 1s. 6d., c.i.f.

GINGER. — (Per cwt.) African, spot, 320s. per cwt. Jamaican No. 3 spot, 625s.; August-September, 555s., c.i.f. Cochin for shipment, 365s., c.i.f.

IPECACUANHA. — Matto Grosso for shipment, 60s. per lb., c.i.f. and spot from 64s. to 66s., as to test. Colombian 66s., c.i.f.; spot, 67s. Costa Rican, 90s., c.i.f. and 95s., spot.

LANOLIN. — ANHYDROUS B.P. is from 1s. 10d. to 2s. 1d. per lb. in 1-ton lots delivered free drums.

LOBELIA. — Herb. Dutch on the spot, 4s. 6d. to 5s. 6d. per lb.

MACE. — Whole pale blade, 14s. 6d. per lb. on the spot. Shipment, 14s., f.o.b.

MENTHOL. — Chinese: spot, 26s. 6d. per lb., duty paid; shipment, 25s., c.i.f.; Brazilian, 20s. 6d., in bond and shipment, 21s., c.i.f.

MERCURY. — Spot, ex warehouse £100 per flask of 76 lb.

NUTMEGS. — West Indian, spot, 80's, 9s. per lb.; unassorted, 7s. 9d.; defectives, 5s. 3d. East Indian for shipment: 80's, 7s. 5d. per lb.; 110's, 7s.; b.w.p., 4s. 5d., all c.i.f.

NUX VOMICA. — Cochin, 75s. per cwt. on the spot; shipment, 47s. 6d., c.i.f.

ORANGE PEEL. — Spot: Sweet ribbon, 1s. 8d. per lb., bitter quarters: West Indian, 10½d.; Spanish, 1s. 9d.

PAPAIN. — Shipment, offers 35s., c.i.f., per lb.

PEPPER. — White Sarawak spot is 2s. 8½d. to 2s. 10d. per lb.; shipment, 2s. 8d., c.i.f. Black Sarawak spot, 2s. 4½d., shipment, 2s. 2½d., c.i.f. Black Malabar is 340s. per cwt., spot nominal; shipment, 317s. 6d., c.i.f.

PIMENTO. — Spot quoted at 690s. per cwt.; shipment, 600s., f.o.b.

PODOPHYLLUM. — Spot per cwt.; *Emodi*, 225s. (210s., c.i.f.); *Peltatum*, 200s.

PYRETHRUM. — Extracts — partially dewaxed, 25 per cent. pyrethrins, 69s. to 65s. 6d. per lb.; pale, 82s. 6d. to 79s.; crude oleoresin, 60s. 6d.

QUASSIA. — Supplies virtually unobtainable.

QUILLAIA. — Spot, 110s. per cwt.; shipment, 100s., c.i.f.

RHUBARB. — Good manufacturing offered at 8s. 6d. per lb.

SAFFRON. — Mancha superior, 275s. to 280s. per lb., spot.

SARSAPARILLA. — Jamaican native red spot, 3s. per lb.; shipment, 2s. 9d., c.i.f. nominal.

SASSAFRAS. — Brazilian is from 2s. 4d. per lb.

SEEDS. — (Per cwt.) **ANISE.** — Spanish, 275s., duty paid. **CARAWAY.** — Dutch, 130s., duty free. **CELERI.** — Indian unchanged at 165s., spot; shipment easier at 152s. 6d., c.i.f. **CORIANDER.** — Spot Moroccan firmer at 62s. 6d., duty paid; shipment, 50s., c.i.f. **CUMIN.** — Moroccan dearer at 245s., duty paid; shipment price has advanced to 215s., c.i.f. **DILL.** — Indian, 90s., spot; shipment, 79s., c.i.f. **FENNEL.** — Indian nominally 165s., spot; shipment, 150s., c.i.f. **FENUGREEK.** — Moroccan, 48s. 6d., duty paid; shipment, 33s., c.i.f. **MUSTARD.** — English, 45s. to 65s. according to quality.

SENEGA. — Old crop, 19s. per lb. on the spot. New-crop for shipment, 17s. 6d., c.i.f.

SENNA. — (Per lb.) Tinnevelly LEAVES spot: Prime No. 1, 2s. 3d.; prime No. 2, 1s. 9d.; No. 3, f.a.q. spot, 1s. 3½d. Shipment; No. 3, 1s. 1d., c.i.f. PODS: Tinnevelly, hand-picked, 2s. 6d. to 2s. 9d.; manufacturing 1s. 9d. spot; shipment, 1s. 6d., c.i.f. Alexandria PODS: hand-picked in limited supplies at 7s. and 4s. 6d.; manufacturing, small lots at from 3s. 3d. to 3s. 6d.

SHELLAC. — F.O.T.N., 200s. per cwt., No. 1, 215s.; F.O., from 225s.

SLIPPERY ELM BARK — Spot offered at 3s. 4d. per lb.

SQUILL. — Italian new crop, 180s. per cwt., spot. Indian, 75s. per cwt., spot.

STRAMONIUM. — Continental LEAVES 85s. per cwt. spot.

STYRAX. — Spot, 16s. 6d. per lb.; August shipment, 15s., c.i.f.

TONQUIN BEANS. — Para, spot, 4s. 9d. per lb.; shipment, 4s., c.i.f.; Trinidad, 5s. 6d., spot.

TRAGACANTH. — No. 1 ribbon, £230 per cwt., nominal. No. 2, £215, nominal.

TURMERIC. — Madras finger offered at 150s. per cwt., spot; shipment, 150s., c.i.f.

VALERIAN ROOT. — Spot: East European, 175s. per cwt.; Indian, 175s. Shipment: Continental, 172s. 6d. to 214s., c.i.f.

VANILLIN. — Rates (per lb.) are now:— 5-cwt. lots, 21s. 6d.; 1-cwt., 21s. 9d.; 56-lb., 22s.; small quantities, 22s. 6d.

WAXES. — (Per cwt.): **BEES'.** — Dar-es-Salaam, spot, 455s.; shipment, 435s., c.i.f. Sudanese, spot, 400s., in bond; shipment, 395s., c.i.f. **CANDELILLA.** — spot, 465s.; forward, 460s. landed. **CARNAUBA.** fatty grey spot, 365s.; shipment, 357s. 6d., c.i.f.; prime yellow, spot, 750s.; shipment, 700s., c.i.f.

WITCH HAZEL LEAVES. — Spot quotations are 2s. 2d. per lb.; new crop for shipment, 2s. 1d., c.i.f.

Essential and Expressed Oils

AMBER. — Rectified on the spot, 2s. per lb.

ANISE. — Chinese, 11s. 6d. per lb.; spot; shipment, 10s. 3d., c.i.f.

BERGAMOT. — Spot quotations are about 90s. per lb.

BIRCH TAR. — Rectified, 3s. per lb.

BOIS DE ROSE. — Brazilian 18s. 6d. per lb. on the spot; shipment, 17s. 6d., c.i.f.

CADE. — Spanish from 1s. 9d. per lb. for drum lots.

CALAMUS. — Spot, Indian, from 60s. per lb.

CAMPHOR, WHITE. — Chinese, 2s. 6d. duty paid, per lb.; shipment, 4s. 4½d., c.i.f., per kilo.

CARAWAY. — Imported oil is about 40s. per lb.; English, 60s.

CEDARWOOD. — American from 7s. 6d. per lb. on the spot.

CHAMOMILE. — Small lots 640s. per lb.

CHENOPODIUM. — From 37s. per lb.

CINNAMON. — Best English-distilled, 720s. per lb.; other B.P. oils from 22s. to 120s. per lb. Ceylon leaf, 20s.; Seychelles from 8s. 6d., spot.

CITRONELLA. — Ceylon spot, 9s. 6d., shipment, 8s. 6d. per lb., c.i.f. Formosan, 5s. 3d., in bond; shipment, 5s. 3d., c.i.f.; Chinese, 5s., in bond, 4s. 9d., c.i.f.

CORIANDER. — From 38s. to 45s. per lb., spot, as to origin.

CUMIN. — English distilled oil, 130s. per lb., imported, 90s.

DILL. — Imported is about 39s. per lb., spot, for Dutch oil.

EUCALYPTUS. — B.P. 70-75 per cent., 5s. 9d. per lb.; 80-85 per cent., 6s. 9d.

FENNEL. — Spanish sweet, spot, 13s. per lb.

GERANIUM. — Bourbon, 87s. 6d. to 92s. 6d.; Moroccan, 57s. 6d. per lb. on the spot.

GINGER. — Imported (per lb.): Indian, 150s.; Chinese, 75s.; Jamaican, 132s. 6d.

GRAPEFRUIT. — Spot offers from 12s. 6d. per lb.

JUNIPER. — B.P.C. is nominally 30s. per lb. **JUNIPER WOOD.** from 5s.

LAVENDER. — Spot, from 40s. per lb. as to quality.

LAVENDER SPIKE. — Spanish, 21s. per lb.

LEMON. — Sicilian from 17s. to 30s.

LEMONGRASS. — Spot, 8s. 4½d. per lb.; shipment, 8s. 1½d., c.i.f.

ORANGE. — Floridan sweet oil, 5s. to 6s. per lb. West Indian, 10s.; Spanish, 16s. 6d. to 18s.

PENNYROYAL. — Spot, 15s. per lb. duty paid.

PEPPERMINT. — *Arvensis*: Chinese spot, 8s., shipment, 7s. 10½d., c.i.f. Brazilian spot and shipment, 7s. 6d., c.i.f. *Piperita*: Italian, 48s. to 60s., spot; American from 31s. per lb. as to make.

ROSEMARY. — Spanish, 13s. 6d. per lb., duty paid.

THYME. — From 20s. to 22s. 6d. per lb. as to test.

UNITED STATES REPORT

NEW YORK, AUGUST 18: Crude GLYCERIN was reported easier in price tone. Brazilian MENTHOL rose 10 cents to \$3.50 a lb. to erase its decline of the previous week. Cape ALOES at 40 cents was up five cents per lb. LOBELIA HERB declined to \$1.10 a lb. Higher per lb. among ESSENTIAL OILS was BERGAMOT at \$14, up \$1. Peruvian BOIS DE ROSE declined to \$2.40, down 10 cents, with the Brazilian variety at \$2.75, down 15 cents. Ceylon CITRONELLA is now \$1.55, down 15 cents a lb., and Formosan oil, 85 cents, down five cents.

MISCELLANEOUS INQUIRIES

Ash-grey Mahogany

How can mahogany be given an ash-grey colour?

BEFORE mahogany can be given an ash-grey colour it must be bleached. Not all species bleach satisfactorily but African and Honduras mahogany are usually quite amenable provided a strong bleaching solution is used. It is of course advisable to experiment first on a small sample of the wood. The following formula from Pharmaceutical Formulas, Vol. 2, is suitable:—

Borax	1 part
Caustic soda (42° Bé)	2 parts
Sodium silicate	1 part
Water	20 parts
<i>B</i>	
Hydrogen peroxide	20 parts

Mix together before use, apply to the wood surface, and allow to dry.

Tests would again be necessary in staining the bleached mahogany to obtain the required ash-grey colour. Chemicals used in arriving at the colour are silver nitrate and copperas in solution, the latter to be used with extreme care as too heavy an application produces a bright "Air Force blue" colour.

Waterproofing Cloth

Please give details of materials and methods for waterproofing fabrics.

THE following methods for waterproofing cloth are taken from Pharmaceutical Formulas, Vol. 2:—

FOR waterproofing fabrics, especially woollen goods, apply a solution of aluminium acetate by "padding." Immerse the impregnated fabric in a solution of soap. Alternatively impregnate the fabric with a metallic soap (such as aluminium soap) after soaking it in a solution of aluminium acetate or aluminium sulphate. After expressing the excess of liquid, pass the fabric through a solution of stearin soap. Aluminium soap is prepared by adding a hot solution of alum to a solution of hard soap in boiling water until a precipitate is no longer produced. The precipitate is collected and washed with boiling water, transferred to a water bath and heated, with constant agitation, until it becomes transparent. The product is then mixed with sufficient hot oil of turpentine to yield an oily liquid. To produce an article similar to oilskin, use a mixture of boiled linseed oil with 10 per cent. of its volume of gold size or other drier. Calico receives three coats of the mixture, leaving each coat to dry in the air for several days before the next is applied.

WILLS

MR. E. R. COOPER, 56 Ferry Road, Barnes, Surrey, who qualified as a chemist and druggist in 1900, left £25,862 (£25,756 net).

MR. C. N. GOULD, M.P.S., 382 Great West Road, Heston, Middlesex, left £13,579 (£13,365 net).

MR. JAMES ROBERTSON MILNE, 74 Old Glamis Road, Dundee, who qualified as a chemist and druggist in 1901, left personal estate in England and Scotland valued at £52,210.

MR. H. C. ROPER, Strathyre, Meadowfield Road, Stocksfield, Northumberland, who qualified as a chemist and druggist in 1893, left £13,106 (£13,044 net).

MR. L. T. WARN, M.P.S., Trevena, Dunstone Road, Plymstock, Devon, left £8,023 (£7,978 net).

MR. E. A. WOOD, M.P.S., 41 Albert Grove, Nottingham, left £10,706 (£10,612 net).

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," August 6
For toilet preparations for the hair, all for use by spraying (3)

NESPRAV, 862,249, by LeMur, Ltd., London, E.C.1.

For pharmaceutical preparations for human use (5)

STIMULEXIN, 851,110, by A. H. Robins Co., Inc., Richmond, Virginia, U.S.A.
For preparations for killing plants, weeds, grass and brush; preparations for destroying vermin, pesticides, insecticides, parasiticides, fungicides, bactericides, algicides, nitricides, larvicides, nematocides, rodenticides, preparations for sterilising the soil, fumigating preparations (not being perfumes), defoliants and sanitary substances (5)

PICFUM, 856,352, by Dow Chemical Co., Midland, Michigan, U.S.A.

For pharmaceutical substances for treatment of the circulatory system (5)

CIRCULETIN, 857,819, by Teikoku Zoki Seizo, K.K., Tokyo, Japan.

For pharmaceutical preparations and substances, all being cherry flavoured (5)

CHERIVITT, B858,248, by Beecham Foods, Ltd., Brentford, Middlesex.

For preparations for killing weeds and destroying vermin (5)

ALAMOS, B858,318, by Montecatini Societa Generale per l'Industria Mineraria e Chimica, Milan, Italy.

For all goods (5)

SALAPHENE, 858,497, by David Oliver Holland, Dorking, Surrey, PALITOL, 859,281, by Venco, N.V., Amsterdam, Holland, DY-MEDICS, DYMEDILS, 859,893-94, by Boots Pure Drug Co., Ltd., Nottingham, CATAL-GIX, 860,715, by Société des Usines Chimiques Rhône-Poulenc, Paris, France, COLIO-VAC, 863,140, by International Serum Co., Ltd., London, N.W.7.

For pharmaceutical preparations for the treatment and prevention of sunburn (5)

SUNLAN, 859,148, by Thornton & Ross, Ltd., Linthwaite, Huddersfield, Yorks.

For pharmaceutical preparations for the treatment of the skin (5)

DERMASE, 859,182, by Baxter Laboratories, Inc., Morton Grove, Illinois, U.S.A.

For invalids' foods (5)

FARLENE, 859,479, by Farley's Infant Food, Ltd., Plymouth, Devon.

For pharmaceutical and veterinary preparations (5)

BRONIVAC, 859,641, by Pfizer, Ltd., Sandwich, Kent.

For medicated preparations for treatment of the scalp and the skin; and deodorants (5)

DIPLOMAT, 861,406, by Labelle Hair Fashions, London, W.C.1.

For veterinary preparations and substances (5)

TRIBOVAX, 861,503, by Wellcome Foundation, Ltd., London, N.W.1.

For dietetic foods and infants' foods (5)

RENOVITA, 861,615, by Liga Fabrieken, N.V., Roosendaal, Holland.

For electric shaving instruments, hair cutting machines for personal use and parts and fittings (8)

PHILIPS, 859,003, by Philips Electrical, Ltd., London, W.C.2.

For cinematographic and photographic instruments (9)

VIEWMATIC, 851,373, by K.K. Erumo Sha, Nagoya, Japan.

For photographic and cinematographic apparatus and instruments; and parts and fittings (9)

SELECTINA, 864,309, by Agfa, A.G., Leverkusen-Bayerwerk, Germany.

For surgical, medical, dental and veterinary apparatus and instruments, all being electrically operated and parts; and electric blankets (10)

NORWEB, 861,054, by North Western Electricity Board, Manchester, 8.

For feeding bottles; air cushions and air pillows, all being for medical and surgical purposes (10)

Device with word RANELLA, 862,325, by Lewis's, Ltd., Liverpool, 1, Manchester, 2, and Birmingham.

For paper, paper tissues, and articles made therefrom (16)

CELLUSOFT, 849,553, by Kimberly-Clark Corporation, Winnebago, Wisconsin, U.S.A.
For footwear being articles of clothing, and parts and fittings (25)

VI-GRIP, 857,200, VI-STEP, 857,202, by Scholl Mfg. Co., Ltd., London, E.C.1.

From the "Trade Marks Journal," August 12
For fertilisers for use in agriculture and horticulture (1)

RENULON, 850,059, by Grant of West Calder, Ltd., West Calder, Scotland.

For agricultural and horticultural fertilisers, all containing phosphates (1)

KAYPHOS, B854,434, by Adam Lythgoe (Scotland), Ltd., St. Quivox, Ayrshire.

For cosmetics, non-medicated toilet preparations, hair tonics, hair dressings, after-shave lotions, and pre-shave lotions, but not including soap or any goods of the same description as soap (3)

EXECUTIVE, 851,989, by 42 Products, Ltd., Inc., Santa Monica, California, U.S.A.

For eau de Cologne (3)

SILVESTRE, B856,440, by Victor, S.R.L., Milan, Italy.

For cosmetics, and cosmetic articles (3)

PEDAKOSMETIK, B857,271, by Scholl Mfg. Co., Ltd., London, E.C.1.

For perfumes, non-medicated toilet preparations, cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes), sachets for use in waving the hair, shampoos, soaps and essential oils (3)

PIER AUGE, 857,484, by Pier Augé, Monaco.

BEAU MONDE, B861,456, by Ondelle Cosmetics, Ltd., Manchester, 2.

For foundation lotion, face powder, lipstick and preparations for removing nail polish and cuticles, all being cosmetics (3)

NYLON, 857,899, by Schnefels Bros. Corporation, New York, U.S.A.

For perfumes, non-medicated toilet preparations, cosmetic preparations, dentifrices, depilatory preparations, toilet articles (not included in other classes) and sachets for use in waving the hair, but not including soap (3)

FRESH-UP VALDELIS, 857,938, by N.V. Parfumerie Fabriek "Valdelis," Schiedam, Netherlands.

For all goods (3)

Devices, 861,001-02, by Screen Gems, Inc., New York, U.S.A.

For dentifrices, and non-medicated toilet preparations for the mouth and gums; all containing peppermint (3)

FLOROMINT, 858,457, by County Laboratories, Ltd., Brentford, Middlesex.

For essential oils, and perfumes (3)

DOPTALAM, 862,558 by Keith Jenkins, Bovingdon, Hemel Hempstead, Herts.

For non-medicated preparations and cosmetics; perfumes and perfumed products (3)

Device, 862,685, by Société d'Hygiène Dermatologique de Vichy, Vichy Source de Beauté, Vichy (Allier), France.

For perfume (3)

CONTRABAND, 862,909, by Miocene, London, S.E.6.

For veterinary preparations containing anaesthetics (5)

VETOCAIN, 852,782, by Impfstoffwerk Friesoythe Dr. Meiner & Co., Friesoythe-Oldenberg, Germany.

For pharmaceutical products (5)

GESTAFORTIN, 854,606, by E. Merck, A.G., Darmstadt, Germany.

For veterinary and sanitary substances; disinfectants; preparations for killing weeds and destroying vermin; parasiticides and pesticides; insecticides, miticides, bactericides, nematocides, fungicides, and herbicides (5)

NEOTRA, 854,722, by Dow Chemical Co., Midland, Michigan, U.S.A.

For preparations for use as additives to animal foodstuffs (5)

SIRLENE, 854,726, by Dow Chemical Co., Midland, Michigan, U.S.A.

For pharmaceutical preparations and substances for use in the prevention and treatment of the common cold, all sold in capsule form (5)

COLCAPS, B854,847, by Sterwin, A.G., Zug, Switzerland.

For pharmaceutical hormone preparations (5)

SEQUENS, 857,372, by Eli Lilly & Co., Ltd., Basingstoke, Hants.

NEW COMPANIES

P.C.=Private Company, R.O.=Registered Office

BROOKS PHARMACEUTICALS, LTD. (P.C.)—Capital £100. To carry on the business of manufacturers of and dealers in, chemicals, drugs, etc. Directors: Daniel Brooks, Jessie H. Brooks, Joseph L. Brooks and Evelyn H. O'Neill, R.O.: 53 Thames Street, Weybridge, Surrey.

COSMETICIANS LONDON, LTD. (P.C.)—Capital £100. To carry on the business of manufacturer and/or merchant of cosmetics and their ingredients with or without containers or adornments, etc. Keith C. Chalkely is the first director. R.O.: Clifton House, Euston Road, London, N.W.1.

FARM DETERGENTS, LTD. (P.C.)—Capital £1,000. To carry on the business of manufacturers of and dealers in detergents, disinfectants and sterilizers, etc. Directors: John D. A. Watkins, George E. Hinchcliffe and Frank C. Hope. R.O.: 1 Town Road, Croston, nr. Preston.

J. GORDON GRAHAM, LTD. (P.C.). Registered in Belfast. — Capital £2,000. To acquire the business of James Gordon Graham, M.P.S.N.I., 275 Woodstock Road, Belfast, etc. Subscribers: George K. Doherty and James McMurray Savage.

HUBA PHARMACEUTICAL CO., LTD. (P.C.)—Capital £100. To deal in cosmetic preparations, etc. Directors: Simeon Wreschner and Ternina Wreschner, 55 Brampton Grove, London, N.W.4. R.O. 160 Piccadilly, London, W.1.

KING'S LYNN CHEMICALS, LTD. (P.C.)—Capital £1,000. To carry on the business of manufacturers of and dealers in chemicals, etc. Subscribers: Donald E. Murphy and Nona P. Murphy. R.O.: Hascombe, Brooklyn Road, Woking, Surrey.

M.S.N. CHEMICALS, LTD. (P.C.)—Capital £1,000. To acquire the business of "M.S.N. Chemicals Co." and to carry on the business of manufacturers of chemicals, etc. Directors: Dennis F. Mason and Eileen M. Mason. R.O.: Pewterers Alley, Wribbenhall, Bewdley, Wores.

PENCHEM DEVELOPMENTS, LTD. (P.C.)—Capital £100. To acquire any patents; designers and developers of factories, plants and processes for the chemical and other industries, etc. Directors: Ralph W. King, Peter W. Heselgrave, Kenneth A. Spencer and David H. Ward. R.O.: 19 Grosvenor Place, London, S.W.1.

WARD DISTRIBUTORS (COSMETICS), LTD. (P.C.)—Capital £100. Subscribers: Shirley Hart and Averill Hart. R.O.: 42a Dock Street, London, E.2.



DISPLAY LINKS WITH TELEVISION CAMPAIGN: New point-of-sale displays for Personna stainless-steel blades, linking with the company's "biggest ever" sales drive beginning September 1.

PRINT AND PUBLICITY

"Biggest Ever" Blades Drive

AN intensive sales drive for Ever-Ready Personna stainless blades is being launched on September 1. A successful campaign in the United States, where the company's share of the stainless-steel blade market rose from 12 per cent. to 25 per cent. in six months, is being followed by a £1 million campaign in the intensely competitive United Kingdom market. "A product of unsurpassed quality," in the words of the marketing director (Mr. A. M. Isaacs) "is now going to be backed by a 'breakthrough' in television advertising, using a technique not previously seen on television in this country." The campaign will run initially in the London, Midland, Northern and Central Scottish television areas, where it is calculated that, before the end of the year, every male televiwer of shaving age living in those areas will have seen sixteen Personna "spots." The company name is being changed to Ever-Ready Personna. A merchandising team is being set up to assist wholesalers and retailers in displaying and promoting Personna at the point of

sale. Dealer incentive schemes include a display bonus. The blades are not price-maintained.

PRESS ADVERTISING

BOEHRINGER INGELHEIM, LTD., Isleworth, Middlesex: Halaspray mouth freshener. In national Press.

BROWN & POLSON, LTD., Wellington House, 125 Strand, London, W.C.2: Gerber baby foods. In women's magazines and mother and baby magazines from October.

CUXON, GERRARD & CO., LTD., Oldbury, Birmingham: Carnation corn caps. In Sunday newspapers and *Woman*.

GIBBS PEPSODENT, LTD., Hesketh House, Portman Square, London, W.1: Gibbs fluoride tooth-paste competition. In *Sunday Express*, *Sunday Mirror* and *ITV* magazines.

GLAXO LABORATORIES, LTD., Greenford, Middlesex: Farex. In *Sunday Mirror* and *Woman's Own*.

GOLDEN, LTD., Berkeley Square House, Berkeley Square, London, W.1: Elnett hair spray. In *Woman*, *Woman's Own*, and eight other leading women's periodicals.

JACKEL & CO., LTD., Shuna Place, Maryhill, Glasgow, N.W.: Proteinail. In *Woman's Journal*, *Woman & Home* and *Woman's Realm*. Royal Sweden brushes. In *Woman & Home*. Infanta baby powder pad. In *Woman & Home*.

MAX FACTOR, HOLLYWOOD AND LONDON (SALES), LTD., 16 Old Bond Street, London, W.1: Max Factor lipsticks. In *Woman's Own*, *Woman*, *Flair* and all mass-circulation magazines.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Sunday, August 23

SUNDERLAND BRANCH, PHARMACEUTICAL SOCIETY, Technical College, South Johnson Street, Sunderland, at 2.30 p.m. Car rally.

Monday, August 24

SIXTH INTERNATIONAL CONGRESS OF PSYCHOTHERAPY, Central Hall, Westminster, London, S.W.1. Until August 29.

Wednesday, August 26

BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, Southampton, Annual meeting. Until September 2.

MANCHESTER PHARMACEUTICAL GOLFING SOCIETY, Romiley golf club, Romiley, Stockport, Ches. Medal competition for Aulon trophy of Imperial Chemical Industries, Ltd., pharmaceuticals division.

Thursday, August 27

COVENTRY and WARWICKSHIRE and LEICESTER and LEICESTERSHIRE BRANCHES, Pharmaceutical Society, Woodhouse hotel, Princethorpe, Rugby, Warwick, at 8 p.m. Social evening.

Sunday, August 30

INTERNATIONAL FRANKFORT AUTUMN FAIR, Frankfurt-on-Main, Western Germany. Until September 3.

August 30—September 5

	London	Midland	North	Scotland	Wales	South	North-east	Anglia	Ulster	Westward	Border	Grampians	Eireann	Channel Is.	W. & N. Wales
1001 cleaner ...	2	—	2	—	3	3	3	2	3	3	2	—	—	—	—
4711 ...	2	2	2	2	2	2	2	2	2	—	—	—	—	—	—
Alka-Seltzer ...	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4
Andrew's liver salt ...	1	1	—	1	—	2	1	2	1	—	—	—	—	1	—
Askit powders and tablets ...	—	—	—	—	14	—	—	—	—	—	5	3	—	—	—
Beecham's powders ...	4	4	5	4	4	4	4	4	4	2	3	3	—	2	—
Bellair hair spray ...	—	5	4	5	4	—	4	5	—	—	—	—	—	—	—
Codella cream ...	5	—	—	—	—	—	—	—	—	9	8	6	—	—	—
Cuticura preparations ...	2	2	2	2	2	—	—	—	3	—	—	—	—	—	—
Dentacreme ...	2	2	1	1	2	1	—	2	2	1	2	—	—	1	—
Dinneford's magnesia ...	1	—	1	—	1	—	—	1	—	—	—	—	—	—	—
Eno Fruit Salt ...	3	3	3	3	3	3	—	3	3	—	—	—	—	—	—
Eucryl smokers' tooth-powder	2	2	2	2	—	2	—	—	—	—	—	—	—	—	—
Euthymol tooth-paste ...	1	1	1	1	1	—	1	1	1	1	—	1	—	—	—
Germolene ...	3	3	3	2	3	2	3	3	3	3	—	4	—	—	—
Gillette razor blades ...	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Goya spray set ...	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—
Imperial Leather ...	2	—	2	—	3	3	3	2	3	3	3	—	—	—	—
Lifeguard ...	—	—	—	—	—	4	—	—	—	—	—	—	—	—	—
Loxene shampoo ...	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Moorlands indigestion tablets ...	—	—	—	5	—	—	—	—	—	—	—	—	—	—	—
Phyllosan ...	3	3	5	—	3	10	2	3	—	—	—	—	—	—	—
Rennies ...	3	3	3	3	3	3	3	3	—	3	4	3	—	6	—
Rinstead pastilles ...	1	—	1	1	—	2	1	1	1	1	1	1	—	1	1
Setlers ...	1	—	2	—	2	3	—	—	2	2	—	—	—	—	—
Stings ...	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—
Wright's coal tar soap ...	1	1	1	—	1	1	1	1	—	1	1	—	—	—	1

PATENTS

COMPLETE SPECIFICATIONS ACCEPTED

- From the "Official Journal (Patents)," July 29**
- Process for producing optically active or inactive γ -methyl glutamate hydrochloride.* Teikoku Jinzo Kenshi, K.K. 969,132.
- Process for the resolution of dl-valine hydrohalide.* Ajinomoto Co., Inc. 969,128.
- Process for the recovery of glutamic acid.* Commercial Solvents Corporation. 969,135.
- Process for production of 2-mercapto-benzimidazole.* Farbenfabriken Bayer, A.G. 969,140.
- Thiophosphoric acid esters.* Farbenfabriken Bayer, A.G. 969,029.
- Photographic material for the silver dye bleaching process.* CIBA, Ltd. 969,146.
- 6-Methyl-and 1,6-dimethyl-ergoline 1 derivatives.* Soc. Farmaceutici Italia. 969,147.
- Amines.* General Mills, Inc. 969,150.
- Production of esters of unsaturated alcohols.* Imperial Chemical Industries, Ltd. 969,162.
- Film-cutter.* Magnavox Co. 969,170.
- Process for the production of printing-formes.* Agfa, A.G. 969,172.
- Production of axerophthyl phosphonium salts.* Badische Anilin & Soda-Fabrik, A.G. 969,180.
- Photographic apparatus for distributing a processing liquid between two superimposed photographic sheets.* International Polaroid Corporation. 969,188.
- Modified starches and compositions such as photographic silver halide emulsions containing them.* Kodak, Ltd. 969,194.
- Quaternary ammonium compounds and method for the preparation thereof.* Aspro-Nicholas, Ltd. 969,195.
- Naphthol derivatives.* Pfizer, Ltd. 969,198.
- Printing machines.* Agfa, A.G. 969,230.
- Phenthiazine derivatives.* Rhone-Poulenc, S.A. 969,251.
- Derivatives of thebaine and oripavine.* J. F. MacFarlan & Co., Ltd. 969,263.
- Tryptamine derivatives.* Roussel-Uclaf, S.A. 969,266.
- N-substituted maleimide.* United States Rubber Co. 969,281.
- Recovery of maleic anhydride.* Haleon International, Inc. 969,283.
- Process for the production of basic thymol ethers.* Veritas Drug Co., Ltd. 969,286.
- Octahydro-phenanthrene derivatives and a process for the manufacture thereof.* F. Hoffmann-La Roche & Co., A.G. 969,292.
- Production of nitriles.* J. R. Geigy, A.G. 969,296.
- Steroid hormone ester and the manufacture thereof.* CIBA, Ltd. 969,298.
- Steroids of the androstan series and process for their production.* E. Merck, A.G. 969,300.
- Organomercuric hydrazine compounds.* Farbenfabriken Bayer, A.G. 969,304.
- Unsaturated ethers and a process for their manufacture.* F. Hoffmann-La Roche & Co., A.G. 969,305.
- Process for the production of N-substituted formydrazono esters.* Farbenfabriken Bayer, A.G. 969,307.
- Trichlorothimesic acid and process for the manufacture thereof.* CIBA, Ltd. 969,311.
- Photographic camera with an exposure regulating device.* Agfa, A.G. 969,333.
- Photographic camera with an exposure valve setting device.* Agfa, A.G. 969,334.
- Cellulose and starch esters of tricarboxylic acids.* Eastman Kodak Co. 969,335.
- Substituted phenylformamidines and methods and pharmaceutical compositions.* Cooper, McDougall & Robertson, Ltd. 969,342.
- Tertiary amine preparation.* Commissariat à L'Energie Atomique. 969,343.
- Deodorant compositions.* Fritzsche Bros., Inc. 969,347.
- Phenthiazine derivative.* Rhone-Poulenc, S.A. 969,358-59.
- Fertiliser composition.* Soil Fertility, Ltd. 969,362.
- Anthraquinone dyes and compositions thereof.* Clairol, Inc. 969,377.
- Phosphonic acid esters and ester amides.* Farbenfabriken Bayer, A.G. 969,383.
- Preparation of organic silicon derivatives.* Rhone-Poulenc, S.A. 969,385.
- Production of niobium pentachloride.* E. I. du Pont de Nemours & Co. 969,387.
- Lens mounts.* Soe, des Lunetiers, Cottet, Poichet, Tagnon & Cie. 969,408.

- Steroids.* E. Merck, A.G. 969,393.
- Process for the production of alkali metal salts of sulphur containing organic cyanides.* E. Merck, A.G. 969,407.
- Mono crystalline metal oxide materials.* National Lead Co. 969,413.
- Process for the separation of mixtures containing cresols and xylenols.* Rütgerswerke, A.G. 969,415.
- Production of 1,2-dichloroethane, trichloroethylene and perchloroethylene.* Pittsburgh Plate Glass Co. 969,416.
- Urea and process for preparing same.* CIBA, Ltd. 969,418.
- Process for recovering potassium from brines.* W. R. Grace & Co. 969,419.
- Process for purifying phosphorus.* Siemens-Schuckert-Werke, A.G. 969,420.
- Process for the production of a live vaccine against foot-and-mouth disease.* Farbenfabriken Bayer, A.G. 969,432.
- 3-Methylene-steroids and processes for their manufacture.* E. Merck, A.G. 969,434.
- Process for making hydrazocarbonamide.* National Polychemicals, Inc. 969,439.
- Process for the production of cyclodecan-6-ol-l-one.* Inventa, A.G. für Forschung und Patentverwertung. 969,442.
- Manufacture of squeeze tube containers.* Tubed Chemicals Corporation. 969,453.
- Therapeutic compositions useful in the treatment of angina pectoris.* F. Hoffmann-La Roche & Co., A.G. 969,457.
- Optical objective.* Agfa, A.G. 969,458.
- Heterocyclic bis-alkylene-dimines and diamines.* Lakeside Laboratories, Inc. 969,510.
- Process for the fluorination of steroid compounds.* Roussel-Uclaf. 969,512-13.
- 3-Enamino steroid compounds useful in the production of 4-fluoro steroids and processes for their preparation.* Roussel-Uclaf. 969,514.
- Manufacture of sulphated and sulphonated products.* Marchon Products, Ltd. 969,517.
- Tetrahydrodibenzocyclo-octene derivatives.* Koninklijke Voorheen Pharmaceutische Fabrieken Brocades-Stheeman & Pharmacia, N.V. 969,518.
- Catalyst and process for hydrogenation of esters, acids acetals and aldehydes.* Montecatini Soc. Generale per l'Industria Mineraria e Chimica. 969,523.
- Process for the manufacture of cycloaliphatic amines.* Imperial Chemical Industries, Ltd. 969,542.
- Process for preparing sulpholene and homologues thereof.* Shell Internationale Research Maatschappij, N.V. 969,544-45.
- Process for the preparation of 17α -methyl- $\Delta^{1,4}$ -androstadien-17 β -ol-3-one by chemical dehydrogenation.* Oy. Medica, A.B. 969,558.
- Chloral hydrate compound and pharmaceutical compositions thereof.* A. B. Ferrosan. 969,566.
- Film projectors.* Eugen Bauer, G.M.B.H. 969,569.
- Actinospectacin derivatives.* Upjohn Co. 969,580.
- Derivatives of 4-(1-piperidyl)-butanol-1 and pharmaceutical compositions containing same.* Smith Kline & French Laboratories. 969,586.
- British patent specifications relating to the above will be obtainable (price 4s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from September 9.*
- From the "Official Journal (Patents)," August 6**
- Absorbent fibrous materials.* Kimberly-Clark Corporation. 969,638.
- Photographic camera, more especially a single lens reflex camera.* Agfa, A.G. 969,639.
- Balances.* L. Oertling, Ltd. 969,642.
- Dinitrophenyl compounds, herbicidal compositions containing them, and their manufacture and use.* Fabriek Van Chemische Producten Vondelingenplaats, N.V. 969,656.
- Bottles made from synthetic thermoplastic materials.* Metal Box Co., Ltd. 969,658.
- Penicillins.* Imperial Chemical Industries, Ltd. 969,664.
- Absorbent strips for diapers.* S.A. Papeterie de L'Eure. 969,695.
- Process for the continuous acylation of amylose.* National Starch & Chemical Corporation. 969,711.
- Method of combating or preventing the growth of phytopathogenic fungi.* Farbenfabriken Bayer, A.G. 969,725.
- Fertilisers.* Centre National de Recherches Metalurgiques. 969,728.
- Process for the preparation of S-(carbamidomethyl)-thiol- and thionothiol-phosphoric acid esters.* Farbenfabriken Bayer, A.G. 969,740.
- Apparatus and methods for separating certain components from blood.* J. H. Brewer. 969,741.
- Toxoids and their production.* Wellcome Foundation, Ltd. 969,772.
- Hypodermic injection apparatus.* W. R. C. Geary. 969,781.
- Production of adipic acid and nitrocyclohexane.* Montecatini Soc. Generale per l'Industria Mineraria e Chimica. 969,793.
- Anthelmintic compositions and compounds.* Boots Pure Drug Co., Ltd. 969,808.
- Methods for making photo-micrographs and arrangements for use in performing the same.* Ernst Leitz, G.m.b.H. 969,811.
- 1,2,4-oxadiazole derivatives.* F. Aziende Chimiche Riunite Angelini. 969,813.
- Process for the production of trans-dec-2-en-9-one-1-acid.* Farbenfabriken Bayer, A.G. 969,815-17.
- N-trifluoromethylated sulphenamides.* Farbenfabriken Bayer, A.G. 969,819.
- British patent specifications relating to the above will be obtainable (price 4s. 6d. each) from the Patent Office, 23 Southampton Buildings, Chancery Lane, London, W.C.2, from September 16.*

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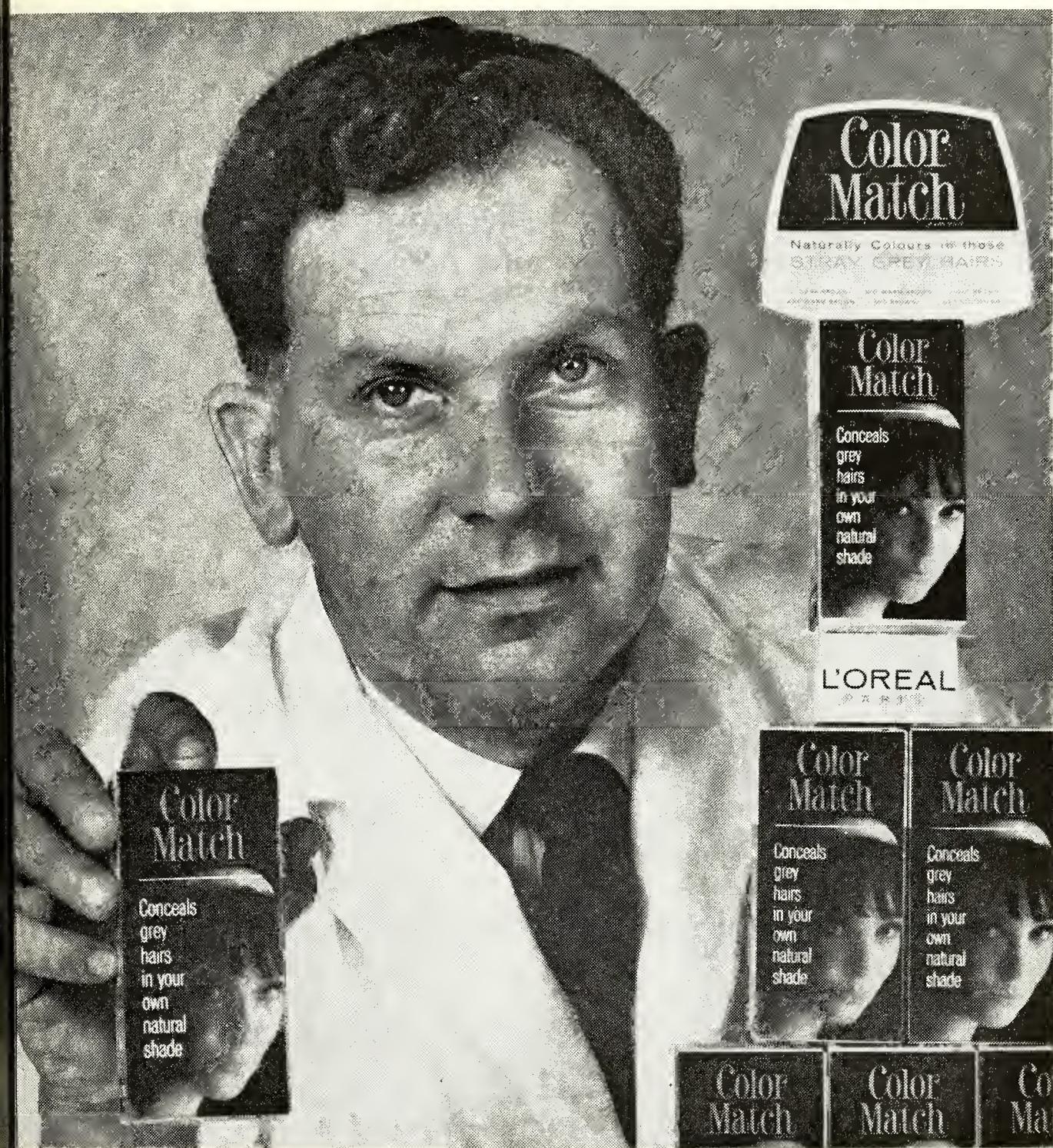


TIME FOR

As soon as she sees those first stray grey hairs, you can sell her Color-Match. Color-Match colours-in stray grey hairs naturally *without changing the normal colour of her hair*. It is harmless, needs no mixing, and is used like a shampoo. 7 out of 10 women are seeing big Color-Match advertisements in Woman, Woman's Own and 3 other top women magazines — plus the Daily Express, Daily Mail and Daily Telegraph.

Manufactured and distributed by GOLDEN LIMITED

Berkeley Square House, Berkeley Square, London, W.1. Mayfair 8240 Republic of Ireland enquires to Lilmar Pharmaceuticals Limited, Santry, Dublin



COLOR-MATCH!

i Color-Match shades, now presented in attractive new
a k's, cover the whole range of brown hair tones.

AT BROWN · DARK WARM BROWN · MID-BROWN · MID-WARM BROWN
LIGHT BROWN · LIGHT GOLDEN BROWN

*tak them all and display them all - because beauty conscious women
r ready to spend on Color-Match throughout the year!*

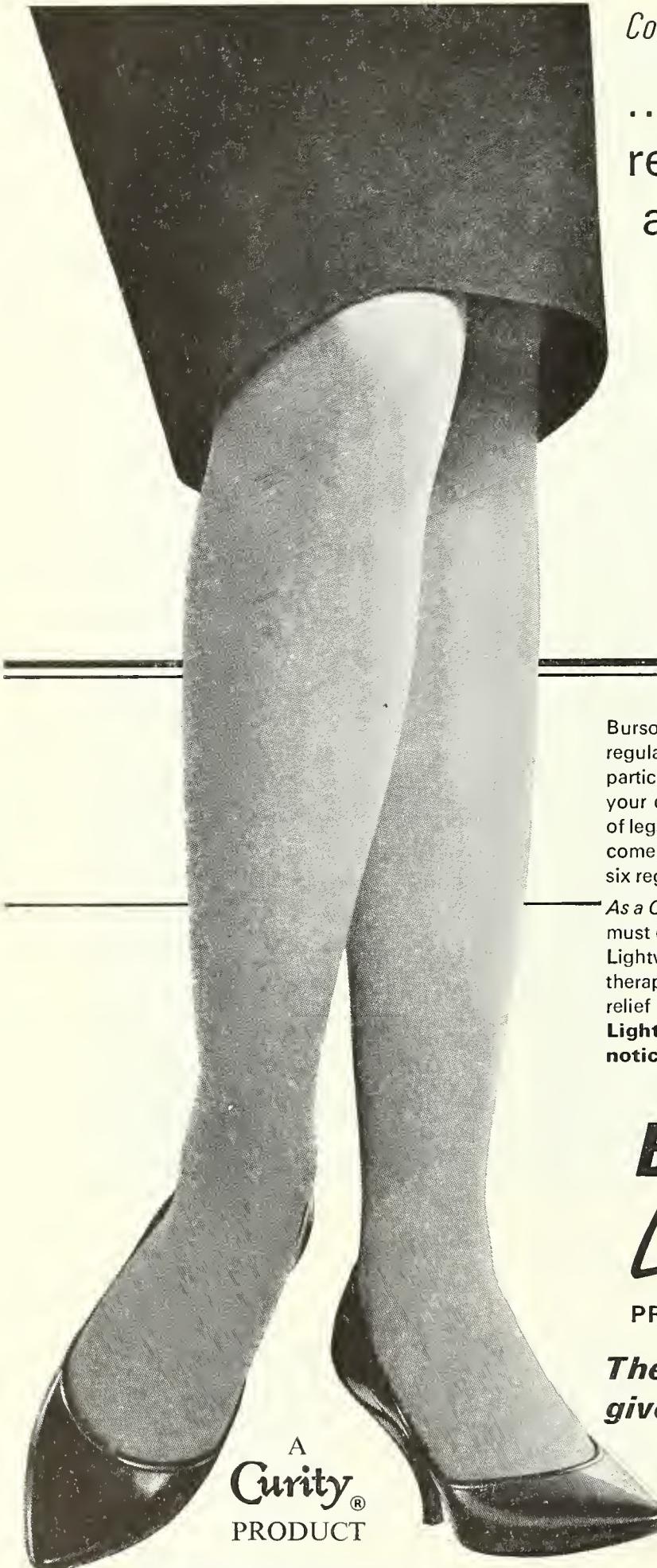
ea l Price 5/3 per bottle. Trade Price 36/- per dozen. Purchase Tax 9/- per dozen.

ta by L'Oréal of Paris - hair experts to the world

**Color
Match**

SEMI-PERMANENT
HAIR COLOURING

L'ORÉAL
PARIS



A
Curity®
PRODUCT

Twenty-four hour prescription service available from:—

Fassett & Johnson Limited, 86 Clerkenwell Road, London, E.C.1 and 139 Bath Street, Glasgow, C.2
® Registered Trade Marks

Complete support for varicose veins . . .

...but there's another reason why Chemists appreciate Burson Lightweights—



they're men!

Burson Lightweights are designed to look and flatter like regular nylon stockings. That's why, *as a man*, you'll particularly appreciate how Burson Lightweights help your customers. They actually improve the appearance of legs as they alleviate discomfort. Burson Lightweights come in an up-to-the-minute shade and are available in six regular stocking sizes—just like ordinary nylons.

As a *Chemist*, you know that an effective elastic stocking must exert a firm, all-round pressure on the legs. Burson Lightweights are specially designed to provide the strong therapeutic or prophylactic support so essential for real relief from varicose veins. **So recommend Burson Lightweights—the improvement won't go unnoticed—by you or your customers.**

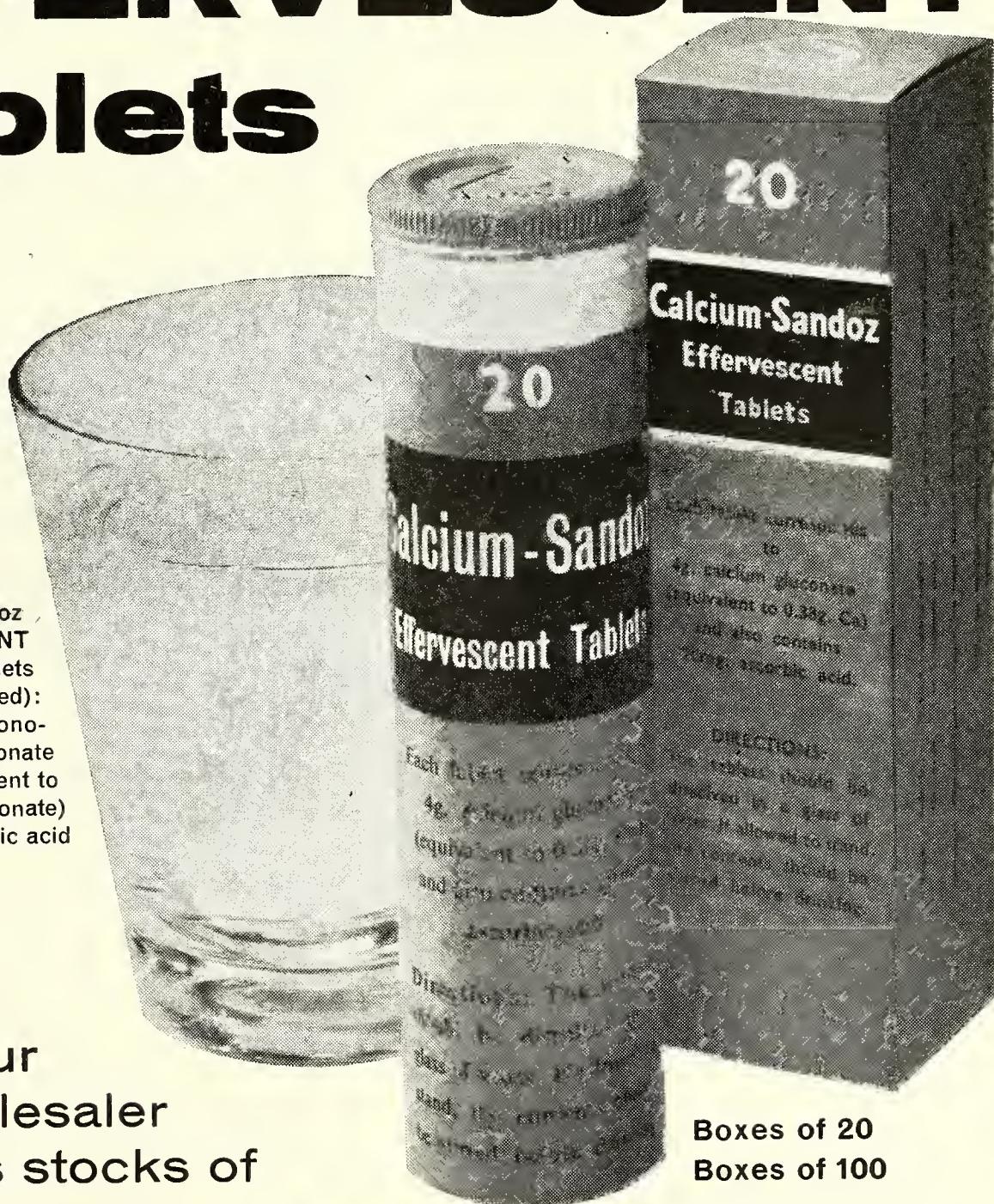
BURSON® *Lightweight*

PRESCRIBABLE UNDER THE N.H.S.

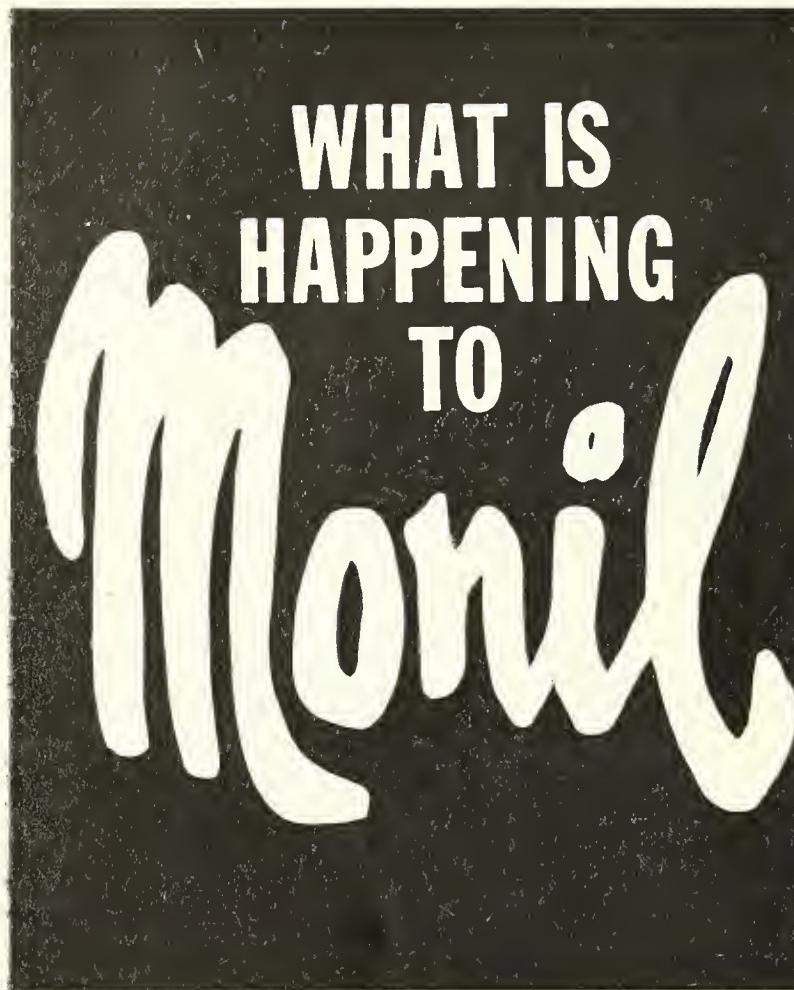
The support stockings that give moral support as well!

ALSO AVAILABLE ARE THE
BURSON RANGE OF REGULAR
ELASTIC STOCKINGS

Sandoz representatives are **NOW**
 talking to doctors about
Calcium-SANDOZ
EFFERVESCENT
Tablets



Calcium-SANDOZ
EFFERVESCENT Tablets



Next week the news will be out and what great news it is!

Watch the advertisement and editorial pages of next week's Chemist & Druggist for full details of the latest developments of a sensational revolution in cosmetic techniques for the 'NATURAL' colouring of my lady's hair.

It's so exciting that we just can't help letting the cat partly out of the bag by whispering . . . New constitution, New packaging, New prices, New colours, New national advertising !

See you here NEXT WEEK !

Monil Ltd - Hunmanby - Filey - Yorkshire.

THOVALINE

for:-

BEDSORES

BEDSORES can be prevented by applying **THOVALINE** before the trouble starts but if already in existence will help greatly in healing.

BURNS

BURNS Unique action. **THOVALINE** is self-sterile it eliminates pain and is a rapid healer.

DERMATITIS

URINE DERMATITIS Excellent healing properties where rash exists and will prevent such trouble occurring if applied beforehand. Offensive odour is eliminated.

Supplies from your usual wholesale house:

ILON LABORATORIES

LORNE STREET • HAMILTON • LANARKSHIRE

Tel: HAMILTON 410

TANNIC

GALLIC

PYROGALLIC

All qualities

**THE BRITISH DYEWOOD
CO. LTD.**

GLASGOW

For Push-Button Profits . . .

Elnett

It's French . . . it's fast selling . . .
it's the growing success!

It's the biggest selling
hairspray in France . . .

Now with 2 years big success
in Britain too!

**THIS IS THE HAIRSPRAY
TO STOCK!**

*Backed by
a massive
advertising campaign*

12½ MILLION WOMEN are now seeing Elnett
advertising in Woman, Woman's Own &
8 other leading women's periodicals!



Why they like using Elnett . . .

Because it holds the style as never before
combines strength with gentleness—Keeps hair
shining and soft to the touch.

Because all trace of hairspray goes when hair is brushed.

*Available in eye-catching push-button spray bottle
Retail Price 6/9 per bottle. Trade Price 46/4 per doz. plus tax.
or in larger aerosol can
Retail Price 9/6 per can. Trade Price 65/- per doz. plus tax.*

**Holds Your Style
Combines Strength
with Gentleness**

Right from the first spray, Elnett holds hair firmly yet gently. It doesn't coat hair or compete with condition. It's the hair spray that brushes off easily when hair is brushed. It's the hair spray that holds your style. It's the hair spray that combines strength with gentleness.

From L'OREAL · PARIS

World's greatest makers of hair beauty products.

Manufactured and distributed by Golden Limited Berkeley Square House, Berkeley Square, London, W.1. MAYfair 8240

We believe that women who wear elastic hosiery should own at least two pairs—a heavy pair for housework and a lighter pair for leisure wear.

Our showcard/dispenser with its explanatory leaflets will explain this to your customer. It will create extra sales for you.

Please write for yours now.



The

CHEMIST AND DRUGGIST
CLASSIFIED ADVERTISEMENTS

TELEPHONE: CENTRAL 6565

Address Box Number Replies to: THE CHEMIST AND DRUGGIST, 28 ESSEX ST., STRAND, LONDON, W.C.2.

APPOINTMENTS — 24/- per $\frac{1}{2}$ " s.c. minimum and pro rata. **AGENTS** — **AUCTION SALES** — **BUSINESSES FOR SALE** and **WANTED** — **CLEARANCES** and **WANTS** — **CONTRACTS** — **MISCELLANEOUS** — **PATENTS** — **PARTNERSHIPS** — **PREMISES** — **PUBLIC** and **LEGAL NOTICES** — **SITUATIONS VACANT**, Run-on — 4/- per line (minimum 20/-). Semi-display — 24/- per $\frac{1}{2}$ " s.c. minimum. Displayed with border rule, larger type faces and blocks — 60/- per s.c.i. minimum. Reduced rates for one-third, one-half and full pages on application. **SITUATIONS WANTED** — 6/- per 18 words minimum, then 4d. per word. Use of Box No. — 2/-. Advertisements received by 4 p.m. Tuesday published same week.

PREMISES

BOGNOR REGIS (outskirts), close to Chichester Road. Shop in newly built parade in a developing residential area with s/c flat above—3 Beds., Rec., K. & B. also lock-up garage. Lease 21 years. No premium. Rent £850 p.a. ex. but with a special abatement to commence. Box C 6276.

RICKMANSWORTH, HERTS.

Last remaining Lock-up Shop in the new town centre Shopping Precinct, unopposed position for a Chemist in this dynamic new centre. Other lettings include Anthony Jackson, Ltd. Supermarket, Clarkes (Bakers), J. H. Sankey (Hardware), Messrs. Redifusion, J. M. Footwear, Ltd., Messrs. R. W. Bradshaw (Opticians), Benskins Watford Brewery, Ltd., together with greengrocer, camera shop, pram shop, ladies' hairdresser, ladies' fashions, etc.

Private car park for 100 cars adjoins the site.

Further particulars from Sole Agents

CHRISTOPHER ROWLAND & CO.,
Station Road, Rickmansworth.
Telephone: 76291/2.

C 6265

BUSINESSES FOR DISPOSAL

FOR DISPOSAL, small private limited company recently trading in proprietary remedy. Approx. £300 Tax Losses available. Please apply to Box C 9418.

MORECAMBE.—Retirement offers an ambitious and energetic pharmacist opportunity to acquire first-class progressive family residential dispensing business. Capital required £7,000 approx. N.P. £2,500 plus. Lease or freehold available. Box C 6271.

RAPIDLY EXPANDING chemist's business for sale. Hertfordshire market town. Good N.H.S. Apply Box C 6287.

APPOINTMENTS**ASHFORD GROUP OF HOSPITALS, KENT**

Senior Pharmacist (Category III) required to take charge of busy Pharmaceutical Department. Duties mainly at Ashford Hospital, with good supporting staff. Interesting responsible post in pleasant dispensary offering valuable experience. Whitley Council Conditions of Service and salary scale.

Applications, together with the names and addresses of two referees, to the Hospital Secretary, Willesborough Hospital, near Ashford, Kent, to reach him as soon as possible. C 9411

BUCKLAND HOSPITAL, DOVER

Senior Pharmacist required for an expanding hospital. National Scale of Salaries payable. Applications in writing, stating experience and the names and addresses of two referees, to be sent to the Hospital Secretary. C 9412

CAMBERWELL HOSPITALS MANAGEMENT COMMITTEE

Chief Pharmacist Applications invited for the post of Chief Pharmacist, Category I, St. Francis Hospital, Constance Road, S.E.22. Salary £898 x 8 increments to £1,233 p.a. plus London Weighting Allowance. Apply Group Secretary, Dulwich Hospital, East Dulwich Grove, S.E.22. Locum considered. C 9368

CANTERBURY GROUP HOSPITAL MANAGEMENT COMMITTEE

Deputy Chief Pharmacist Applications are invited for the appointment of Deputy Chief Pharmacist to the Group Pharmaceutical Department (Category IV Hospitals). The Department which is situated at the Kent and Canterbury Hospital, serves the 12 hospitals and clinics in the area. Salary scale £898 to £1,223 per annum. Applications with full details and names of two referees to be sent as soon as possible to the Group Secretary, Central Office, Nunnery Fields Hospital, Canterbury. C 9398

CENTRAL MIDDLESEX HOSPITAL, PARK ROYAL, LONDON, N.W.10

Pharmacist and Locum Pharmacist required. Applications, giving details of qualifications, experience and age to the Medical Director as soon as possible. C 9429

CLAYTON HOSPITAL, NORTHGATE, WAKEFIELD

Post-graduate Pharmaceutical Student There will be a vacancy in September for a Post-graduate Pharmaceutical Student who requires one year's practical training before registration.

The Department is situated in a busy general hospital and there is ample opportunity to obtain a sound knowledge of hospital pharmacy. Payment will be at the rate of £509 per annum.

Application form from Group Secretary, Wakefield "A" Group H.M.C., 113 Northgate, Wakefield. C 9404

PADDINGTON GENERAL HOSPITAL, HARROW ROAD, W.9

Locum Pharmacist required for indefinite period. Apply immediately to the Hospital Secretary. C 666

EDGWARE GENERAL HOSPITAL, EDGWARE, MIDDLESEX

Pharmacist required 1st September, 1964. Part-time applicant(s) will be considered. Apply to Chief Pharmacist (EDG. 2381, Ext. 327). C 9408

EDGWARE GENERAL HOSPITAL, EDGWARE, MIDDLESEX

Senior Pharmacist required 14th September, 1964. This is a busy general hospital of 654 beds and offers good experience and varied duties. Salary scale £851—£1,113 p.a. plus London Weighting. Department can be visited by arrangement with Chief Pharmacist (EDG. 2381, Ext. 327). Apply, stating age, qualifications and experience and giving the names and addresses of two referees, to Group Secretary. C 9407

HAMMERSMITH HOSPITAL AND POST-GRADUATE MEDICAL SCHOOL, DU CANE ROAD, LONDON, W.12

Senior Pharmacist required at above General Post-graduate Teaching Hospital (Category V) to take charge of new, modern and well-equipped sterile products laboratory. Post also offers wide range of experience, and opportunity to keep abreast of developments in general pharmacy. Enlargement and modernisation of Department nearing completion, Whitley salary scale £851—£1,113 per annum plus £45/£55 London Allowance. Applications should be addressed to Chief Pharmacist. C 9424

HAMMERSMITH HOSPITAL AND POST-GRADUATE MEDICAL SCHOOL, DU CANE ROAD, LONDON, W.12

Pharmacist required at above general post-graduate teaching hospital (Category V). Post offers varied work and excellent experience. Previous experience not essential. Enlargement and modernisation of Department nearing completion. Whitley salary scale £761—£1,019 per annum plus London Allowance. Commencing salary within this scale according to age and experience. Applications, stating age, qualifications and experience, and naming two referees, to Chief Pharmacist. C 9425

LONDON JEWISH HOSPITAL, STEPNEY GREEN, E.1

Locum Pharmacist required at the above hospital. Modern department. Every third Saturday morning off. Previous hospital experience not essential. Salary £19 19s. per week. Applications to the Chief Pharmacist (Telephone STE. 1222, Ext. 219). C 9394

Appointments—Continued**HENDON GROUP HOSPITAL MANAGEMENT COMMITTEE**

Post-graduate Pharmaceutical Student required at EDGWARE GENERAL HOSPITAL, Edgware, Middlesex, for twelve months from 31st August, 1964, or by arrangement. Experience available in Group Pharmacy, which has a well-equipped sterile products unit, and at small hospitals in the group. Applications, including names and addresses of two referees, to Chief Pharmacist (EDG, 2381, Ext. 327). C 9409

**HILL END HOSPITAL,
ST. ALBANS, HERTS**
(20 miles from London)

Locum Chief Pharmacist required from 31st August to 19th September, 1964, inclusive. Salary £24 5s. per week. Accommodation may be available for single man, if required. Applications giving details of qualifications and experience and naming two referees to the Chief Pharmacist. C 681

**HOSPITAL MANAGEMENT COMMITTEE No. 9
WAKEFIELD "A" GROUP**

Senior Pharmacist required for busy sterilising and manufacturing department in a category IV group hospital. Modern equipment includes newly installed rapid-cooling fluids autoclave. Post offers excellent experience. Salary £851—£1,113. Whitley Council conditions. Application form from Group Secretary, 113 Northgate, Wakefield. C 9405

**ILFORD AND DISTRICT HOSPITAL MANAGEMENT COMMITTEE,
KING GEORGE HOSPITAL,
EASTERN AVENUE, NEWBURY PARK, ILFORD, ESSEX**

Dispensing Assistant Part-time, 23 hours per week. Whitley Council pay and conditions. Apply to Group Secretary. C 9406

**LONDON JEWISH HOSPITAL,
STEPNEY GREEN, E.1**

Pharmacist required at the above hospital. Modern department giving good general experience. Every third Saturday morning off. Previous hospital experience not essential. Whitley Council conditions of service and salary. Applications in writing stating age, qualifications and experience, together with the names of two referees to the Chief Pharmacist. C 9393

**MAELOR GENERAL HOSPITAL,
WREXHAM, DENBIGHSHIRE**

Senior Pharmacist for an expanding Hospital. Salary scale—£851 per annum to £1,113 per annum. Commencing salary according to previous experience. Applications to be sent to the Group Secretary, Maelor General Hospital, Croesnewydd Road, Wrexham, Denbighshire. C 9415

**MAELOR GENERAL HOSPITAL,
WREXHAM, DENBIGHSHIRE**

Post-graduate Pharmaceutical Student A vacancy exists for the above post at this hospital. Whitley Council salary and conditions. Applications to be sent to the Group Secretary, Maelor General Hospital, Croesnewydd Road, Wrexham, Denbighshire, North Wales. C 9414

MOORFIELDS EYE HOSPITAL**Senior Pharmacist**

Applications are invited for the above post at this Post-graduate Teaching Hospital. Interesting post in modern, well-equipped department. Whitley Council salary scale £851—£1,113 per annum plus £45/55 London Weighting.

Applications to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1. C 9388

MOORFIELDS EYE HOSPITAL**Dispensing Assistant**

Applications are invited for the post of Dispensing Assistant, female. Training given for Apothecaries Hall Certificate. Whitley Council salary scale and conditions of service. Applications to the Chief Pharmacist, Moorfields Eye Hospital, City Road, London, E.C.1. C 9419

NEWMARKET GENERAL HOSPITAL**Dispensing Assistant**

required in modern Group Pharmacy. Ideal working conditions, alternate long weekends. Applications giving age, experience and names of two referees to the Group Pharmacist. C 9413

**PADDINGTON GENERAL HOSPITAL,
HARROW ROAD, W.9****Senior Pharmacist**

required at above hospital. Commencing salary according to previous experience. Applications together with the names and addresses of two referees to the Hospital Secretary. C 665

**RONKSWOOD HOSPITAL,
WORCESTER****Pharmacist**

required for interesting and varied duties. Salary on scale £761 to £1,019 per annum according to previous professional experience. Applications stating age, details of training, posts held, names of referees, to the Hospital Secretary, from whom further information may be obtained. C 9399

ROYAL FREE HOSPITAL**Pharmacist**

Applications are invited for the post of Pharmacist at the above Hospital. Whitley Council salary scale with extra pay for evening clinics. Apply naming two referees to Group Chief Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.1. C 679

**ROYAL HOSPITAL,
RICHMOND, SURREY****Senior Pharmacist**

Applications are invited for the post of Senior Pharmacist at the Royal Hospital (Acute General), Richmond, Surrey. Whitley Council salary and conditions of service, plus London Weighting. Applications giving details of age, experience, qualifications and names of two referees to the Administrative Officer, immediately. C 9423

**ST. MARK'S HOSPITAL,
CITY ROAD,
LONDON, E.C.1**

(Post-graduate Teaching Hospital)

Pharmacist

Applications invited for the above appointment at this Surgical Hospital (rectal and colonic). Whitley salary scale £761—£1,091, plus £25/55 London Allowance. Additional £25 if holding higher qualifications. Previous hospital experience not essential. Service in retail pharmacy, etc., taken into account in deciding commencing salary. Detailed applications, naming two referees, to Chief Pharmacist. C 9431

**ST. ALBANS CITY HOSPITAL,
NORMANDY ROAD,
ST. ALBANS, HERTS
(402 beds)****Senior Pharmacist or Pharmacist**

Applications are invited for the above post at this hospital within easy reach of Central London. Whitley Council salary and conditions of service. Detailed applications naming two referees to the Chief Pharmacist, C 652

**ST. ALBANS CITY HOSPITAL,
NORMANDY ROAD,
ST. ALBANS, HERTS
(402 beds)****Locum Tenens Pharmacist**

required immediately. Part-time would be considered. Whitley Council salary and conditions of service. Detailed applications giving names of two referees to the Hospital Secretary. C 659

**ST. GILES' HOSPITAL,
CAMBERWELL, S.E.5****Senior Pharmacist**

Applications invited for post of Senior Pharmacist. Salary scale £896—£1,168 p.a. Part-time considered. Further details from or applications to Chief Pharmacist. C 9369

**ST. GILES' HOSPITAL,
ST. GILES' ROAD,
CAMBERWELL, S.E.5****Locum Pharmacist**

full-time, part-time, or sessional required immediately. Apply: Chief Pharmacist, St. Giles' Hospital, St. Giles' Road, Camberwell, S.E.5. (RODney 4221). C 9367

**ST. LAWRENCE HOSPITAL,
CHEPSTOW, MON.****Dispensing Assistant**

Applications are invited for the above post. Salary, if holding Apothecaries' Hall Certificate, £416 at 20, £452 at 21, and £503—£678 if aged 22 or over. For others the salary is £366 at 20, 403 at 21, and £453—£597 if aged 22 or over. Apply quoting two referees to Group Secretary, 64 Cardiff Road, Newport, Mon. C 9416

**ST. MARK'S HOSPITAL,
CITY ROAD,
LONDON, E.C.1**

(Post-graduate Teaching Hospital)

Locum Pharmacist

required for several weeks commencing as soon as possible. Salary £20 19s. per week. Telephone or write to Chief Pharmacist, St. Mark's Hospital. C 9430

**ST. PAUL'S HOSPITAL,
ENDELL STREET, W.C.2****Chief Pharmacist**

The Board of Governors invite applications for the appointment of Chief Pharmacist, St. Paul's Hospital. The post becomes vacant on the 30th of November next on the retirement of Mr. A. C. Joy. Candidates should be interested in specialising in the pharmaceutical problems of urology and renal medicine, on which they will be expected to advise medical staff engaged in research. It is planned to reconstruct the department shortly.

The salary scale is £898—£1,223 per annum plus London Weighting Allowance, and Whitley Council Conditions of Service apply. Applications giving full details of age, training and experience and the names of three referees to the House Governor, c/o the Board Offices, St. Philip's Hospital, Sheffield Street, W.C.2, as soon as possible. C 9376

THAMES GROUP HOSPITAL MANAGEMENT COMMITTEE

Applications are invited for the following appointments:—

1. Senior Pharmacists

- (a) St. Andrew's Hospital, Devons Road, London, E.3.
- (b) East Ham Memorial Hospital, Shrewsbury Road, Forest Gate, E.7.

2. Pharmacist

St. Clement's Hospital, Bow Road, E.3. In sole charge, part-time (24 hours p.w.) for this Psychiatric Hospital of 123 beds with out-patients' department and Day Hospital. Applications to respective Hospital Secretaries (Ref. C.D.). C 9417

OVERSEAS**PHARMACISTS**

required by the

GOVERNMENT OF MALAWI

Ministry of Health, on contract, for one tour of 24/35 months in first instance. Commencing salary according to experience in scale (including Overseas Addition) £1,175 rising to £2,600 a year. Gratuity 15 per cent, of total salary drawn. Outfit allowance £30. Generous education allowances. Free passages. Liberal leave on full salary. Government accommodation at moderate rental.

Candidates must be M.P.S., with preferably two years experience since qualification. Female candidates must be single.

Apply to:

**CROWN AGENTS, M. DEPT.,
4 Millbank, London, S.W.1,**
for application form and further particulars, stating age, name, brief details of qualifications and experience, and quoting reference M3H/54232/CD. C 9403

SITUATIONS VACANT

EXPERIENCED DISPENSER BOOK-KEEPER required, early October, for medical practice in Evesham. Spacious, new sunny flat available, furnished or unfurnished, with every convenience. Box C 6282.

REQUIRED FOR OCTOBER 1, 1964. Male/female dispenser for Medical practice in North Norfolk (3 partners). Married couple. Wife willing to do some secretarial work an advantage but not essential. Flat available. Applicant must be medically fit. Box C 6280.

RETAIL (HOME)

BIRMINGHAM. Pharmacists: permanent positions, good conditions of service. Apply to Box C 6278.

DISPENSING AND/OR COUNTER ASSISTANTS required for London, E.C.1 and N.1. Highest salary paid in exchange for experience and loyalty. Apply in writing to: The Managing Director, Kendale Chemists, 51 Exmouth Market, London, E.C.1. C 6254

EARLESTOWN, LANCS. Manager required for medium-sized pharmacy. Salary £1,250 p.a. plus free living accommodation above shop. Apply giving full details of experience etc. Box C 6275.

PHARMACY BRANCH MANAGER required for pharmacy in small town, excellent Superannuation Scheme and employment conditions. Application by September 1, 1964, in writing, giving full information of education, training and experience should be addressed to: Pleasley & Pleasley Hill Co-operative Chemists, Ltd., Pleasley, Mansfield, Notts. C 6268

SURREY. Manager or manageress required for 1 year old pharmacy in pleasant town. Light dispensing, little bookwork but stimulating counter trade. Furnished/unfurnished flat. Normal hours. Rota 1 week in 6. 3 weeks' holiday. Profit participation. Ideal for newly qualified. Box C 6256.

WEST BIRMINGHAM area, 5 miles City Centre. Experienced and capable dispensing assistant required for private pharmacy in industrial area. Busy dispensing. Good wages and conditions. Holiday arrangements honoured. Part-time considered. Box C 6238.

SITUATIONS VACANT WHOLESALE

SELLING PHARMACEUTICALS?



If so, you will already know ORTHO—but do you know that we also have some highly successful therapeutic specialities, a very fine clinical diagnostic range, and that we are developing products quite different from our more famous lines?

There are a few vacancies in our sales force which we would prefer to fill with experienced medical representatives. You will not become a sales executive here quicker than anywhere else—but you will be given every encouragement to get on top of your job, your specialised knowledge will be respected and your increasingly valuable contribution as a Company salesman rewarded.

If you are interested write or telephone for an application form. Completing this will not be a chore, but will help us decide whether it will be worth your while meeting us at some reasonably convenient spot.

Enquiries to the **Marketing Manager, Ortho Pharmaceutical Limited, Saunderton, High Wycombe, Bucks. (Tel.: Naphill 2281.)**

C 6272

CHIEF CHEMIST with flair for developing new ideas required Croydon area, fine chemicals and proprietaries. Senior position for energetic, ambitious and experienced person. Only those suitably qualified should apply in confidence with full details and present post and salary to Box C 6277.

CHEMIST REQUIRED to take charge of Analytical Control Laboratory dealing with Pharmaceuticals. Excellent salary. Halewood Chemicals, Ltd., Stanwell Moor, Staines, Colnbrook 2402. C 6283

CLERKS (male or female) urgently required for office in W.C.2. Must have experience in pricing, wholesale chemist invoices. Good wages. 9.30 a.m. to 5.30 p.m. Five-day week. Luncheon vouchers. C 9432

MEDICAL REPRESENTATIVE required for South London and Southern Counties. Principal duty, contacting medical and nursing professions in hospitals and clinics, includes medical propaganda, lecturing and similar ethical promotion. This well-paid position is permanent and superannuated. It demands an ambitious and well-educated man. Full training will be given. Applicants must reside in the area. Send fullest details to Box C 9427.

PHARMACEUTICAL MANUFACTURING Company in the London Area requires experienced man as Manager of Warehouse/Transport Section. Four figure salary. Participation in superannuation scheme. Write giving full details of experience to date. Box C 9420.

BRADLEY & BLISS LIMITED CROYDON

Require experienced person to take charge of the Pricing and Invoicing Department with adequate supporting staff. Good rates of pay offered, together with pension scheme, etc. Please apply with full details of experience to:

The Manager,
Bradley & Bliss Ltd.,
Wholesale Chemists,
Waddon Marsh Way,
CROYDON, Surrey.
Tel.: MUNicipal 2500

C 9433

**PRODUCTION
PHARMACIST**

For Pharmaceutical Laboratories
At an Attractive Salary

The Production Pharmacist will have responsibility for bulk production of ointment and liquid preparations; quality control; and some buying duties. There is scope for laboratory work on original new formulations. The initial salary offered is attractive and a very pleasant house is available if required. The applicant must have previous industrial experience. Cupal, Ltd., is a medium-sized company employing over 100 people and enjoying an excellent record of steady progress over many years. For a family man there are excellent local amenities in Blackburn and it should also be noted that within 5 minutes you are in the heart of the beautiful Ribble Valley.

Please apply in strict confidence to the Managing Director, Cupal Pharmaceutical Laboratories, King Street, Blackburn, Lancashire.

C 6290

SITUATIONS WANTED

EXECUTIVE, DIRECTOR LEVEL (early 40's), in wholly owned Subsidiary of Public Company, engaged in the wholesale and distribution of pharmaceutical and patent products, fully conversant with Board administration, managerial control and planning and opening of new warehouses, desires opportunity of further advancement with similar or allied organisation, Box C 6281.

EXPERIENCED GENTLEMAN requires post of responsibility, London area, Wholesale and manufacturing house. Replies acknowledged. Interview, Box C 6289.

EXPERIENCED TABLET MAKER and supervisor urgently requires position, anything and anywhere considered. All letters answered. Please write Box C 6284.

AGENTS

AGENCIES—NORTHERN IRELAND. Well-established firm with two experienced travellers and excellent showroom and stockroom accommodation anxious to obtain remunerative lines selling to main chemists and stores. Box C 6288.

AGENTS

First-class agents required to develop sales of competitive line of condoms.

Outstanding opportunity for salesmen with sound business connections.

Send full details stating area to Sole Distributors for U.K.

Box C 6279

SITUATIONS VACANT WHOLESALE**ALLEN & HANBURY'S LIMITED**

are offering appointments to Pharmacists as

REPRESENTATIVES

in CROYDON

NORTH LONDON

HULL

SOUTH WEST SCOTLAND

Training will be given and the posts offer a challenge to male pharmacists with drive, initiative and ambition. A good salary and all expenses will be paid and a car is provided. The posts are pensionable. Applications giving full details of age, qualifications and experience should be sent to the Personnel Manager, Allen & Hanburys, Ltd., Bethnal Green, London, E.2, and should quote ref. no. R.42.

C 9428

AGENTS REQUIRED to sell compact but highly saleable range of night driving glasses to Chemists London area and South-east England. Commission basis. State age, territory covered and other lines carried. Box C 6285.

AGENTS REQUIRED throughout England and Wales on commission for nationally-famous baby products, calling on wholesale and retail chemists. Please state area covered and details of products at present carried. Box C 9355.

WANTED

CASH FOR REDUNDANT, rejected or clearing lines. Quantities of any size or description, distance no object, quick decisions. S. & T. Supplies, Ltd., 24 Randall Street, Battersea, S.W.11. Phone: BATtersea 0781. C 669

OUTDATED FILM WANTED, Kodak, Ilford, etc., all sizes still and cine. Write "Framont," 158 New Bridge Street, Newcastle-upon-Tyne, 1. C 6242

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone: Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Park 3137-8. C 140

FOR SALE

STANDARD SACCHARIN TABLETS. Packets of 100—3s. doz. Drums of 500—12s. per doz. Drums of 1,000—22s. per doz. Enquiries invited for packed Aspirin and Paracetamol Tablets.
Tell Products, Ltd., Welbeck Works, London, N.W.10

C 683

BUSINESS OPPORTUNITIES

MANLY MAN'S BELT. Nationally advertised "obtainable from chemists," 35/- Full trade terms. Order by waist from Manly Co., Manor House, Worcester Park, Surrey, DERwent 3877. C 635

MISCELLANEOUS**PLASTIC BABY PANTS**

8/9 per dozen. Carriage paid.
Special quotations for quantities.

Details and samples from manufacturers

A. & H. HEYMAN,
27 Grange Road, Darlington.

C 6121

A RUDDUCK**DEVELOPMENT****FROM SEPTEMBER 7th**

the Shop Equipment Department will join the Contracts Division at Regent's Avenue, Palmers Green, London, N.13. For full details of all that is latest and best in Shop Equipment:

Write or phone: Mr. D. R. Gordon, RUDDUCK & CO. (Shopfitters) LTD., REGENTS AVENUE, PALMERS GREEN, LONDON, N.13. Telephone: BOWes Park 6011.

L.C.C. road widening schemes and the constant parking problem in the City Road area have brought about this move, which we are certain will add greatly to the efficiency of the RUDDUCK service. C 655

in
a class
of
their own



Ocean Racers take part in offshore races of 200 miles or more. There are three classes determined by rating: Class I - 32 ft. to 70 ft.; Class II - 25 ft. to 32 ft.; Class III - 19 ft. to 25 ft.

Ratings are calculated from a formula based on length, beam, depth of hull, sail area, and other factors affecting performance, such as rig, weight of construction, shallow draught, size and type of propeller, and weight of engine.

A "time correction factor" (T.C.F.) is calculated from the rating. A yacht's actual time in an ocean race is multiplied by the T.C.F. to give a corrected time, which decides the yacht's final position.

Similar determination to obtain unquestionably first-class results is a constant factor in the manufacture of pharmaceuticals at May & Baker. Close control at every stage of production ensures that our chemicals remain, as ever, in a class of their own.

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An exciting new range of Gift Sets by **Cussons**

RHAPSODY for chemists and good stores only



Gift Set 481
 Contents: 1 Talcum Powder,
 3 Bath Cubes, 2 Tablets Soap.
 Retail selling price 8/-



Gift Set 482
 Contents: 1 Bottle Skin
 Fragrance, 1 Talcum Powder.
 Retail selling price 11/-



Gift Set 483
 Contents: 1 Tablet Soap,
 1 Talcum Powder, 1 Bottle Perfume.
 Retail selling price 12/6



Gift Set 484
 Contents: 1 Talcum Powder,
 2 Tablets Soap, 1 Aerosol Hair-
 Spray. Retail selling price 15/-



Gift Set 485
 Contents: 1 Talcum Powder, 1 Tablet Soap, 3 Bath Cubes,
 1 Roll-on Deodorant, 1 Aerosol Hair-Spray.
 1 Bottle Skin Fragrance. Retail selling price 28/6

A new line in gifts

Already Cussons have made a name for producing gift sets that are top sellers. This year they bring a special line—exclusively for chemists and good stores. Here it is—the Rhapsody range. Five gift sets and individually packed items including Perfume, Skin Fragrance, Hair Spray, Talcum, Soap, Bath Cubes and Deodorant.

THE RHAPSODY RANGE IS NEW, different, and perfect for Christmas giving. With extravagant looks and down-to-earth prices it will sell on sight.

Here's the power behind the promotion

Rhapsody gift sets will be strongly featured in Cussons Gift Set advertising during the vital pre-Christmas period in these top-selling women's magazines:- Woman, Woman's Realm, Woman's Own Christmas Annual, Woman's Weekly, She, Vogue, The People's Friend, Woman & Home and T.V. Times Christmas Extra.